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ABSTRACT

The "Allied Health Education Directory," eighth edition (formerly the "Allied Medical Education Directory") is a reference work covering accredited educational programs in 24 allied health occupations. It provides allied health educators, administrators, counselors, and students with: (1) information on the development of allied health education and accreditation and on current concerns: (2) a description of the general accreditation process and of the specific process for individual occupations: (3) occupational program information: (4) specific information on accredited educational programs: (5) the standards and processes for developing educational programs qualified for accreditation: (6) procedures concerning education and accreditation; and (7) additional information related to allied health education and accreditation. Sections cover four major areas: accreditation history and allied health issues: accreditation: occupational program information (organized in alphabetical order by profession): and computer program information. Statistical tables provide basic information for each occupation and also provide a basis for comparison between and among professions. Appendix A contains guidelines for each occupation. Appendix B contains the procedure statements adopted by the committee on Allied Health Education and Accreditation relating to collaboration, review committees, and programs. Additional information related to allied health education and accreditation appears in the four final appendices. (LC)

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American Academy of Pediatrics
American Academy of Physician Assistants
American Association for Respiratory Therapy
American Association for Thoracic Surgery
American Association of Blood Banks
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American College of Physicians
American College of Radiology
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PREFACE

The American Medical Association, which is responsible for the publication of the *Directory*, wishes to thank the chief administrative officers and program personnel of accredited educational programs for providing necessary information. The AMA is also grateful for the assistance provided by the collaborating organizations and review committees and for the cooperation of the US Office of Education, the Council on Postsecondary Accreditation, the military services, and various national health associations.

INTRODUCTION

The *Allied Health Education Directory,* eighth edition (formerly the *Allied Medical Education Directory*) is an authoritative reference work covering accredited educational programs in 24 allied health occupations. It provides allied health educators, administrators, counselors, and students with

- information on the development of allied health education and accreditation and on current concerns;
- a description of the general accreditation process and of the specific process for individual occupations;
- occupational program information;
- specific information on accredited educational programs;
- the standards and processes for developing educational programs qualified for accreditation;
- procedures concerning education and accreditation; and
- additional information related to allied health education and accreditation.

The *Directory* is correspondingly divided into four major sections, two major appendixes, and four minor appendixes.

Section I, Accreditation History and Allied Health Issues, introduces readers to the history of allied health education and accreditation, highlighting the history of the involvement of the American Medical Association and the development and current organizational structure of the Committee on Allied Health Education and Accreditation (CAHEA). Current health issues and concerns are also identified and discussed.

Section II, Accreditation, covers the technical details of the accreditation process, including the benefits of accreditation and the various steps in the process (application, self-analysis, on-site evaluation, review, and accreditation action). Because these steps in the process differ for each occupation, the steps are described separately for each occupation in Accreditation Process for Individual Occupations in section II. Information is also provided on accreditation and occupational history, on fees for accreditation services, and on requirements for maintaining accreditation.

Section III, Occupational Program Information, is organized in alphabetical order by profession. Clearly identified subsections provide information about job duties, employment characteristics, accredited educational programs, certification and registration opportunities, and licensure requirements for each profession.

Computer program information appears in Section IV. Statistical tables present the reader with basic information at a glance for each occupation and also provides a basis for comparisons between and among professions. The first list, called the consolidated list, provides the name, address, city and state of institutions offering accredited allied health educational programs listed alphabetically by state, city, and name of institution. For instance, the sponsoring institution Sinclair Community College in Dayton, Ohio, offers accredited programs in the following fields: radiographer, respiratory therapist, and medical record technician. The second set of lists are program lists offering specific information about, for instance, the respiratory therapist program taught at Sinclair Community College. The information provided includes the names of the medical director, program director, and education coordinator, prerequisites, length of the program, date classes begin, maximum authorized student capacity for total program, tuition, financial aid offered, degree or certificate granted by the program, clinical affiliates, and the year the program is scheduled for on-site evaluation.

The first major appendix, Appendix A, contains the *Essentials* and Guidelines for each occupation. *Essentials,* which present the minimum accreditation standards for an educational program, include all requirements for which an accredited program is held accountable. Guidelines, explanatory documents which clarify *Essentials,* assist in interpreting and applying *Essentials.* Both are used to develop accredited educational programs as well as to measure the extent to which a program remains in compliance with accreditation requirements.

The second major appendix, Appendix B, contains the procedure statements adopted by the Committee on Allied Health Education and Accreditation relating to collaboration, the *Essentials,* review committees, and programs.

Additional information related to allied health education and accreditation appears in the four final appendixes: Appendix C: "Glossary of Allied Health Terms," Appendix D: "Organizational References," Appendix E: "Military Course Descriptions," and Appendix F: "Financial Aid for Students."

In addition to being consulted by individual subscribers, educational program staff and administrators, allied health associations and their members, secondary and postsecondary academic counselors, state and Federal employees (including military personnel), and potential and current students; the *Directory* is available at libraries as a general reference work and is indexed at the Library of Congress. Moreover, lists of CAHEA-accredited allied health educational programs are reprinted from the *Directory* by many state medical societies and in many publications.

If you know of individuals or groups who might benefit from owning this resource, please encourage them to order the *Allied Health Education Directory/8th Edition.* To order the *Directory* send a check or money-order for $12 to: Order Department OP-391, American Medical Association, P.O. Box 821, Monroe, WI 53566.

Section I: Accreditation History and Allied Health Issues

Role of the AMA Department of Allied Health Evaluation

HISTORY

The AMA became involved in allied health education in 1933 when the AMA Council on Medical Education and Hospitals (now the Council on Medical Education) began to cooperate in the development of educational standards and to accredit allied health educational programs designed to prepare occupational therapists. However, it wasn't until the late 1960's that the increases in numbers and kinds of allied health educational programs had reached a sufficient level to warrant creation of a separate department within the AMA to handle allied health educational matters. In August 1966, the Department of Allied Medical Professions and Services was established within the AMA Division of Scientific Activities following a recommendation by the AMA Commission to Coordinate the Relationships of Medicine with Allied Health Professions and Services. In November 1967, the department was moved to the newly created Division of Medical Education (now called the Division of Educational Standards and Evaluation), where it resides today, and the Department was renamed the Department of Allied Health Evaluation.

STAFF RESPONSIBILITIES

The involvement and commitment of the AMA to allied health education through its Department of Allied Health Evaluation has expanded tremendously in the 13 years following the concentration of allied health activities into a single department. Largely responsible for the expansion of activities and staff in the department has been the concurrent growth in the numbers of allied health educational programs throughout the country.

The department's major activity is to provide a liaison between the Committee on Allied Health Education and Accreditation (CAHEA), which accredits allied health educational programs and determines related policy matters; and the collaborating organizations, review committees, educational programs, and members of the interested community. The department consists of 19 staff members: a director, the director's assistant, 6 assistant directors and 6 program assistants, with staff support provided by an office manager/administrative assistant, a publications/editorial coordinator, a committee (CAHEA) coordinator, a terminal operator, and a technical assistant.

The department director handles general policy and administration in addition to serving as liaison for accreditation of cytotechnology programs. The director's assistant handles secretarial work as well as program responsibilities. The 6 assistant directors each carry liaison responsibilities for several occupations as well as handle special projects. Each program assistant maintains program records, prepares program information for review by CAHEA, and handles secretarial duties for the supervising assistant director. The office manager/administrative assistant ensures smooth departmental work flow and attends to budget and personnel matters. The publications/editorial coordinator, working with the assistant director assigned to publications, prepares manuscript for, and supervises and coordinates the printing of, all departmental publications. The committee (CAHEA) coordinator/administrative assistant handles the preparations and follow-up for each of the four annual CAHEA meetings and handles related administrative details and correspondence. The terminal operator keypunches vital programmatic data into the AMA computer system for eventual retrieval as listings of accredited programs. Finally, the technical assistant is responsible for microfilming programmatic file records for archival storage and for handling miscellaneous departmental duties.

The individuals filling these positions as of 7-15-79 are listed below to encourage contact with the appropriate individual(s) and to illustrate the nature of departmental activities.

Department of Allied Health Evaluation Staff Roster

John E. Beckley, PhD, Director, (312) 751-6272
Theresa D. Bennett, Secretary & Program Assistant, 751-6273
Cytotechnologist

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James F. Lovell, PhD, Assistant Director, 751-6283 Beverley A. Jones, Program Assistant, 751-6275 *Histologic Technician* *Medical Laboratory Technician (Associate Degree)* *Medical Laboratory Technician (Certificate)* *Medical Technologist*	COORDINATED & CONCURRENT SITE SURVEYS
Charles E. McClinton, PhD, Assistant Director, 751-6269 Sheryl A. Vallo, BS, Program Assistant, 751-6277 *Diagnostic Medical Sonographer* *Electroencephalographic Technician* *Electroencephalographic Technologist* *Nuclear Medicine Technologist* *Occupational Therapist* *Ophthalmic Medical Assistant*	ESSENTIALS & GUIDELINES REVIEW 50TH ANNIVERSARY SYMPOSIUM
Robert B. Parks, PhD, Assistant Director, 751-6297 Betty Jones, Program Assistant, 751-6274 *Anesthesiologist Assistant* *Cardiovascular Perfusionist* *EMT-Paramedic* *Physical Therapist* *Respiratory Therapist* *Respiratory Therapy Technician*	ACCREDITATION FEE REVIEW RELIABILITY & VALIDITY STUDY STANDARD FORMAT FOR *ESSENTIALS* EVALUATOR'S MANUAL OE & COPA RELATIONS
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Jackie Gant, Technical Assistant, 751-6281	ACCREDITATION ARCHIVES
Elizabeth L. Miles, AAS, Terminal Operator, 751-6297	DATA PROCESSING
Eileen D. Mills, BA, Committee Coordinator, 751-6054	CAHEA

PUBLICATIONS

In addition to the annual *Allied Health Education Directory*, the Department of Allied Health Evaluation of the AMA publishes several other publications of interest to allied health educators, students, and practitioners; hospital administrators; deans; counselors; librarians; government agency personnel; and others interested in allied health education.

The *Allied Health Education Newsletter*, a 10-page monthly publication of the department, provides information on allied health education summarized in brief one-paragraph items. The *Newsletter* is the only publication of its kind providing a national perspective on allied health education. Subscriptions are free of charge. Names may be added to the mailing list by writing to the editor, Department of Allied Health Evaluation, AMA.

The *Allied Health Education Fact Sheet* (12 pp.) is a periodically updated outline of organizations, professions, program trends, statistics, and services provided by the department. Names may be added to the mailing list of this free publication by writing to the editor of the department.

The *Education for Allied Health Careers* (100 pp.) booklet is a basic information guide to stimulate the interest of the beginning student considering an allied health career. Complete listings of accredited programs and sources of additional information are included. Brief descriptions of the accredited educational program and job duties of graduates are provided for each accredited occupational area. Single copies of the booklet are available from the department. Requests for bulk orders (more than three copies) must be processed through the department editor.

The 64-page *Compendium of Military Allied Health Education* lists military allied health educational programs accredited by CAHEA, describes academic credit for military allied health educational programs, and provides descriptions of military allied health courses. Single copies may be ordered from the AMA Order Department, AH-42, PO Box 821, Monroe, WI 53566.

The department has available informational brochures on the cytotechnologist and physician's assistant professions in small quantities. To request copies, write to the Department of Allied Health Evaluation.

TRAINING WORKSHOPS FOR ON-SITE EVALUATORS

The American Medical Association, through its Department of Allied Health Evaluation, has extended a service which began in 1976, to train allied health educational program evaluators in an effort to promote quality in the program review and evaluation process and to increase the numbers of trained and available program evaluators.

On-site evaluation of allied health educational programs applying for accreditation is considered to be one of the most important steps in the review and evaluation process because it is timed to coincide with the culmination of effort by program and institutional personnel to prepare a description of the program—a self-study/application. To ensure that this step promotes the effectiveness and quality of the review process, and ultimately of allied health education itself; allied health professionals, physicians, and educators serving on evaluation teams must be well versed in the necessary techniques and philosophies of on-site evaluations.

Seven workshops to train allied health professionals and physicians as evaluators of educational programs have been conducted in Chicago, Washington, DC, Atlanta, and Denver in 1978 and in San Francisco, Miami, and Chicago in 1979. Three hundred and thirty participants and faculty thus far have worked toward accomplishing the following objectives:

- *orienting the participants to the principles and practices of allied health program accreditation;*
- *learning basic skills to develop proficiencies in evaluating programs;*
- *contributing to similar training of colleagues in the future; and,*
- *facilitating the development of an on-site program evaluator's manual.*

Following the workshops, the products of the workshops—the trained evaluators—are integrated into the system. Participants first act as observers of an on-site evaluation and then serve as members of on-site evaluation teams. Evaluators are urged to advise and instruct their colleagues in program evaluation to facilitate a snowball effect in increasing the pool of trained evaluators.

The Department of Allied Health Evaluation will continue to offer program evaluator training workshops annually to help maintain and improve the quality of allied health education.

History of Allied Health Education and Accreditation

AMA INVOLVEMENT AND HISTORY

The AMA and the medical specialty and allied health organizations with which it collaborates in accrediting allied health educational programs comprise the largest accrediting consortium in the US with respect to the number of professional organizations involved, of programs accredited, and of students graduated. This cooperative process produces nearly 30,000 allied health professionals each year, most of whom team up with physicians in the delivery of health care.

The numbers of groups and individuals involved indicate the extent and complexity of the consortium effort:

- *Forty-four allied health and medical specialty organizations collaborate with the AMA in accrediting educational programs for twenty-four allied health occupations.*
- *Nineteen review committees evaluate nearly 3000 accredited programs located in 1800 sponsoring institutions.*
- *Over 22,000 physicians and 40,000 allied health professionals teach in the programs.*
- *In 1978, 3000 physicians and allied health professionals participated as volunteers in the evaluation of over 800 programs.*

Today's extensive participation of the AMA in the very complex allied health accreditation and education process represents a culmination of nearly 50 years of experience, involving many adaptions to the constantly changing technology and needs of the health care delivery system. The emergence, growth, and acceptance of the team approach, indicating the allied health professional's progression from assistant to partner, is also reflected in AMA involvement.

1933–1966

The team approach gained impetus in 1933 when a medical specialty society—the American Society of Clinical Pathologists (ASCP)—and an allied health organization—the American Occupational Therapy Association (AOTA)—requested AMA collaboration in setting standards for allied health practitioners to assist the physician in the care and treatment of patients. These standards were called *Essentials,* because they contained minimum educational requirements for graduates from an accredited program, which provided entry into the profession.

It was during 1933 that the ASCP, through its Board of Registry for Medical Technology, asked the AMA Council on Medical Education (then the Council on Medical Education and Hospitals) to review the medical technology educational programs as part of its regular inspection of hospitals. The joint review involved representatives of the ASCP Board and of the AMA Council. This mutual effort led to cooperation in refining the existing ASCP "Curriculum for an Approved School," which culminated in 1936 in AMA adoption of the *Essentials of an Approved School of Medical Technology*.

The year 1933 also marked a cooperative effort with the American Occupational Therapy Association (AOTA), which asked the Council to collaborate in developing standards and in accrediting educational programs to prepare occupational therapists. This request led to the adoption of occupational therapy *Essentials* in 1935, which gives the AOTA the distinction of being the first allied health organization on record as an official collaborator with the AMA in the accreditation process. In 1936, the combined efforts of the American Physical Therapy Association (APTA) and the Council on Medical Education resulted in adoption of *Essentials* for the physical therapist.

In subsequent years, emphasis continued to be placed on developing standards for allied health educational programs as the first step in ensuring quality in the health care delivery system. The team approach continued to gain acceptance as other allied health professional associations collaborated with the Council in developing *Essentials* and as graduates of accredited programs relieved physicians of some of the demands on their time and talents. During the three decades from 1937 to 1967, new sets of *Essentials* were adopted for five occupations: medical record administrator (1943), radiologic technologist (new radiographer) (1944), medical record technician (1953), cytotechnologist (1962), and respiratory therapist (1962). Thus by 1967 the Council on Medical Education was accrediting educational programs in eight allied health areas.

The quantitative and qualitative acceptance of the health team approach in the delivery of health care is reflected in the changing ratio of physician to paraprofessional and in the increasing involvement of organizations representing allied health professionals. In the early 60's, the ratio was eight allied health professionals to one physician; by the late 60's, the ratio was twelve to one; and in the late 70's, the ratio is estimated at twenty to one. From 1967 to 1979, 18 additional allied health professions developed *Essentials* which were subsequently adopted by the collaborating organizations and used in the accreditation process. In 1967, six medical specialty societies and allied health organizations collaborated with the AMA; in 1979, the total was 44. In 1967, six review committees cooperated with the AMA in program evaluation; in 1979, there were 19. A complete list of the occupations for which CAHEA accredits programs, the original date *Essentials* were adopted, and most recent date *Essentials* were revised, are presented in Figure I-1.

1966–1976

The ten years from 1966 to 1976 witnessed one new developmental change after another in the way programs were reviewed and accredited. As each new occupation and sponsoring collaborating organization joined the consortium, the AMA commitment to allied health accreditation expanded.

1966–AMA Allied Health Department Created.

The demand for more well trained paraprofessionals assisting in the delivery of health care in the late 1960's prompted the AMA Commission to Coordinate the Relationships of Medicine with Allied Health Professions and Services to recommend creation of a separate department within the AMA to handle all activities relating to allied health education. Accordingly, in August 1966 the Department of Allied Medical Professions and Services was established within the AMA's Division of Scientific Activities. In November 1967, the department was moved to the newly created Division of Medical Education (now called Division of Educational Standards and Evaluation), where it resides today. The Division was assigned staffing responsibilities for the Council on Medical Education (formerly the Council on Medical Education and Hospitals).

1967–Allied Health Advisory Committee Established

The Council on Medical Education, recognizing the value of and need for advice and counsel from the allied health professions and educational institutions, recommended to the AMA Board of Trustees the establishment of an advisory committee. The recommendation was accepted and the Advisory Committee on Allied Health Education held its first meeting in November 1967.

1968–Panel of Consultants Recommended by Advisory Committee

Recognizing the need to facilitate communication between the AMA and the organizations that represented the members of the health team, the Advisory Committee in its first year recommended to the Council on Medical Education that representatives of each of the medical specialty and allied health organizations meet with the Advisory Committee biannually as a "Panel of Consultants."

The Council approved the recommendation in June of 1968 and the first meeting of the Panel took place in June 1969.

1969–SASHEP Commissioned

In an attempt to come to grips with the responsibilities in education and accreditation in this burgeoning field, the Advisory Committee recommended that an independent study be conducted to analyze current allied health education and accreditation practices and to make recommendations for future directions.

The Council on Medical Education accepted the recommendation, invited the National Commission on Accrediting and the Association of Schools of Allied Health Professions to join with it in sponsoring the study, and subsequently secured Commonwealth Fund monies to conduct the study.

For nearly 3 years AMA accreditation practices were examined in detail. The final report of the Study of Accreditation of Selected Health Education Programs (SASHEP) was published in 1972.

The study concluded that programmatic accreditation is a vital service to society and should be supported. At the same time SASHEP called for fundamental changes in the organization of AMA accreditation so as to improve its efficiency and effectiveness, one of which was the establishment of an independent, broadly representative organization as an alternative to the Council on Medical Education and the Advisory Committee.

It was this recommendation, the most difficult of all to gain consensus on, which led to the eventual formation of the Committee on Allied Health Education and Accreditation in 1976.

1970–Special Advisors Meet

The Advisory Committee had also recommended that national organizations related to, or with an interest in, allied health education or accreditation be invited to meet with the Advisory Committee to advise in policy and procedure matters. The Council approved the recommendation, and in 1970 representatives from educational and health organizations, government agencies, and the military, termed "Special Advisors," began meeting biannually with the Advisory Committee and the Panel of Consultants. For the first time a forum for groups interested in allied health education, accreditation, and manpower was created to gather information, to exchange ideas, to recommend priorities and actions, and to assist in formulating policy.

It is thought that the Council's formation of the Panel of Consultants and Special Advisors did more to keep allied health education current and prepared for the future, and to gain acceptance of the team concept of health care delivery than any other action it took in the 1966–76 period. Provisions were made for inclusion of new professions and for input from all concerned organizations. The mechanism was thereby established to assure currency and to provide for and coordinate legitimate expansion in the years to come. The organizations represented by the Panel and Special Advisors are graphically presented in Figure I–2.

1973–Panel of Review Committee Chairpersons Formed

As the number of review committees grew, so did the variations in their review procedures. The review committee chairpersons were invited to meet with the Advisory Committee to share information, techniques and methods with one another and to strive for consistency in procedures. These meetings also gave the chairpersons an opportunity to discuss their needs with the Advisory Committee. The first meeting, in July 1973, was judged so successful that these meetings continue today as an annual summer event.

1976–CAHEA Established as Accrediting Agency

In December 1976, the AMA House of Delegates elected to establish a body for accreditation which would have broad representation from the accreditation community of interests and the public. This body was also to be independent in judgment in accreditation matters and its decisions would be final. In effect, the vote to establish this autonomous committee meant that the AMA was no longer the accrediting body but was now one organization among 45 that collaborated with the new committee in accrediting allied health educational programs. The new body was named the Committee on Allied Health Education and Accreditation (CAHEA).

1976–AMA Adoption of Essentials Delegated to Council on Medical Education

In December 1976, the House of Delegates also delegated its responsibility for reviewing and adopting allied health educational *Essentials* for the AMA to the Council on Medical Education. Thus the AMA functions as one of 45 collaborating organizations in the development and adoption of *Essentials* for allied health educational programs.

Figure I–1 —Accredited Occupations and Dates *Essentials* Were Adopted by AMA

Occupation	*Essentials* Adopted	*Essentials* Last Revised
Assistant to the Primary Care Physician	1971	1976
Cytotechnologist	1962	1977
Electroencephalographic Technician*	1973	. . .
Electroencephalographic Technologist*	1973	. . .
Emergency Medical Technician-Paramedic	1978	. . .
Histologic Technician	1970	1978
Medical Assistant	1969	1977
Medical Assistant in Pediatrics	1972	. . .
Medical Laboratory Technician *(Associate Degree)*	1971	1977
Medical Laboratory Technician *(Certificate)*	1967	1977
Medical Record Administrator	1943	1974
Medical Record Technician	1953	1976
Medical Technologist	1936	1977
Nuclear Medicine Technologist	1969	1976
Occupational Therapist*	1935	1973
Ophthalmic Medical Assistant	1975	. . .
Physical Therapist	1936	1979
Radiation Therapy Technologist 1 yr	1968	1976
2 yr	1972	
Radiographer	1944	1978
Respiratory Therapist	1962	1977
Respiratory Therapy Technician	1972	1977
Specialist in Blood Bank Technology	1971	1977
Surgeon's Assistant*	1974	. . .
Surgical Technologist (Operating Room Technician)	1972	. . .

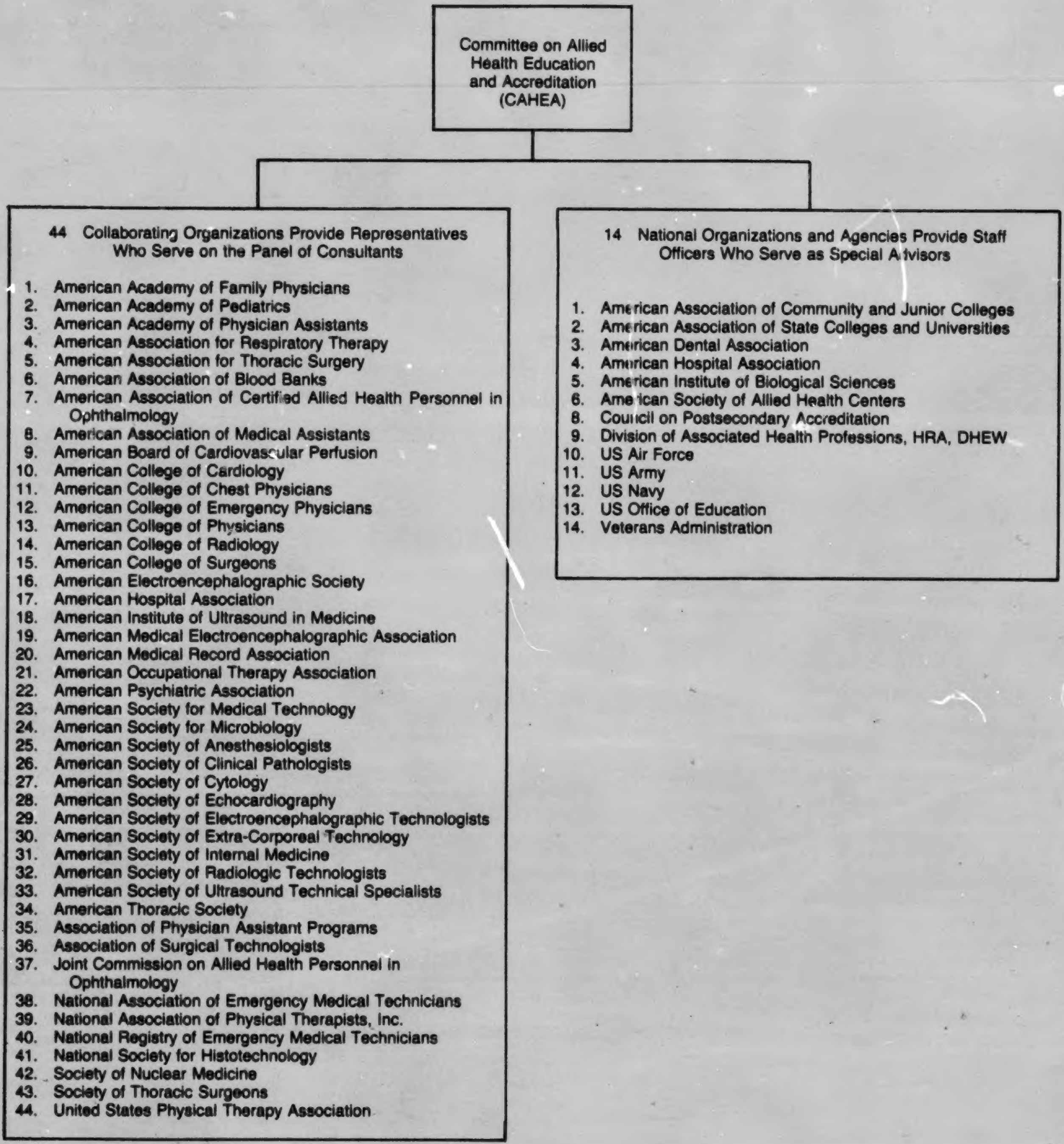
*Currently under review

CAHEA ACTIVITIES

The Committee on Allied Health Education and Accreditation (CAHEA) held its organizational meeting in January 1977. Over the past two years, CAHEA, while continuing the work of the Council on Medical Education in the areas of program accreditation and analysis of accreditation issues and problems, has established its own priorities for change. This process of "rethinking" the problems was assisted by adding representatives from the academic community and allied health organizations to the committee. The new membership resulted in presentations and discussions focusing CAHEA's attention on the need to streamline the accreditation process so as to avoid duplication of efforts and reduce disruption caused by the accreditation process.

Concurrent and Coordinated On-Site Evaluations

These concerns have already borne some fruit in that a CAHEA procedure has begun which offers universities and colleges the opportunity to have one on-site evaluation every 4 or 5 years, both for institutional and programmatic accreditation, rather than many visits over the course of this period to achieve the same objective. In response to this opportunity, over 200 institutions have expressed interest in concurrent and coordinated accreditation on-site evaluations. This program demonstrates one area in which CAHEA serves to coordinate the activities of the 44 organizations cooperating with it as well as to relate to and include the regional and other professional organizations.



Committee on Allied Health Education and Accreditation (CAHEA)

44 Collaborating Organizations Provide Representatives Who Serve on the Panel of Consultants

1. American Academy of Family Physicians
2. American Academy of Pediatrics
3. American Academy of Physician Assistants
4. American Association for Respiratory Therapy
5. American Association for Thoracic Surgery
6. American Association of Blood Banks
7. American Association of Certified Allied Health Personnel in Ophthalmology
8. American Association of Medical Assistants
9. American Board of Cardiovascular Perfusion
10. American College of Cardiology
11. American College of Chest Physicians
12. American College of Emergency Physicians
13. American College of Physicians
14. American College of Radiology
15. American College of Surgeons
16. American Electroencephalographic Society
17. American Hospital Association
18. American Institute of Ultrasound in Medicine
19. American Medical Electroencephalographic Association
20. American Medical Record Association
21. American Occupational Therapy Association
22. American Psychiatric Association
23. American Society for Medical Technology
24. American Society for Microbiology
25. American Society of Anesthesiologists
26. American Society of Clinical Pathologists
27. American Society of Cytology
28. American Society of Echocardiography
29. American Society of Electroencephalographic Technologists
30. American Society of Extra-Corporeal Technology
31. American Society of Internal Medicine
32. American Society of Radiologic Technologists
33. American Society of Ultrasound Technical Specialists
34. American Thoracic Society
35. Association of Physician Assistant Programs
36. Association of Surgical Technologists
37. Joint Commission on Allied Health Personnel in Ophthalmology
38. National Association of Emergency Medical Technicians
39. National Association of Physical Therapists, Inc.
40. National Registry of Emergency Medical Technicians
41. National Society for Histotechnology
42. Society of Nuclear Medicine
43. Society of Thoracic Surgeons
44. United States Physical Therapy Association

14 National Organizations and Agencies Provide Staff Officers Who Serve as Special Advisors

1. American Association of Community and Junior Colleges
2. American Association of State Colleges and Universities
3. American Dental Association
4. American Hospital Association
5. American Institute of Biological Sciences
6. American Society of Allied Health Centers
8. Council on Postsecondary Accreditation
9. Division of Associated Health Professions, HRA, DHEW
10. US Air Force
11. US Army
12. US Navy
13. US Office of Education
14. Veterans Administration

Figure I-2—Composition of the Panel of Consultants and Special Advisors

Formulating CAHEA Policies and Procedures

Another priority has been to review policies in order to streamline processes that relate to drafting *Essentials*, handling complaints and appeals, and financing the costs of accreditation. Areas addressed by CAHEA's national task forces for which policy and procedure statements have been written include proliferation of accreditation, standard formats for *Essentials*, Guidelines to *Essentials*, self-studies, and coordinated and concurrent on-site evaluations. The task forces initiate many of the preliminary statements that CAHEA later adopts as policy. These statements have been assembled into a Manual of Procedures for Collaboration and Accreditation, which is available to review committee chairpersons, collaborating organizations representatives, and selected others.

Review of Recommendations for Accreditation

Another area emphasized by CAHEA is the review of program accreditation recommendations made by the various review committees. The examination of those recommendations is increasingly sophisticated, requiring more documentation, and, in particular, focuses attention on whether objectivity and impartiality of judgment are manifest in the recommendations. The observance of due process for the programs is a priority concern for CAHEA. Generally, a full day is devoted by CAHEA to reviewing recommendations on their individual merits.

Emphasis on Education

Another area emphasized by CAHEA has been on the E (Education) in CAHEA. CAHEA has focused its attention on questions concerning the achievement of competency by program graduates, the validity and reliability of educational standards, or *Essentials*, and whether the traditional and current educational programs best serve the nation's allied health manpower needs.

Competency based Evaluation. Essentials are beginning to incorporate competency-based evaluation. Follow-up studies of graduates and program evaluation techniques, both intended to demonstrate that the graduates of the programs have achieved what the program is supposed to teach, are requirements written into new or revised *Essentials*.

Validity and Reliability of Essentials. Coupled with the concern about the competency of graduates is the question of the validity and reliability of the standards, embodied in the *Essentials*, used to evaluate programs. CAHEA has devised a system of establishing and validating the reliability of *Essentials*. It may well be that future *Essentials* will differ markedly from those we currently rely upon.

Multi-competency Technicians. Are the current allied health occupations accredited by CAHEA those which are most needed by our nation's health care delivery system? Some individuals have expressed concern that hospitals, clinics, and physician's offices located in rural and other areas have need for an allied health professional with many of the same competencies currently achieved by graduates in 2 or 3 allied health occupational areas.

CAHEA has responded to these concerns by inviting advocates of a multicompetency allied health technician to meet it. A few programs which purport to train the multicompetency technician were also invited. After listening and carefully evaluating what was discussed, CAHEA concluded that there were very few facts at hand and that a national survey of the hospitals and family physicians in rural areas was necessary before "national need" for a rural multicompetency health technician could be established.

Effect of Section 504 on Student Admission. The implications of Section 504 of the Rehabilitation Act of 1973 on admission to allied health programs has been a concern of CAHEA. To foster an understanding of the law, to share approaches used by institutions in complying with the law, and to focus attention on problems created by the law, CAHEA has directed a comprehensive survey, results of which will be shared, of the 3000 accredited programs. At the same time, CAHEA has expressed its interest and approval of experimental programs for the handicapped by its accreditation or renewal of accreditation of programs that admit students who are blind, deaf, or otherwise handicapped.

CAHEA has elected to conduct its business in much the same fashion as the bicameral branches of government. Policies first must pass through the Panel of Consultants and Special Advisors and review committee chairpersons before they can be accepted by CAHEA. These two groups might be compared to the House and Senate of a state legislature. CAHEA also employs voting procedures similar to those used in government.

Health care today is almost exclusively delivered by the team approach. Each health occupation is recognized by the AMA and the professions as a specialty, and "assistants" to the physician are now regarded as "partners" in the team approach. The management and coordination of the delivery of care to assure the patients' health are the moral and legal responsibility of the physician.

In retrospect, the definition of these roles and the determination of these responsibilities came about because of the foresight of the Council on Medical Education. Its recommendations and the actions it initiated truly made the team delivery of health care a fact.

The purposes and responsibilities of the Committee on Allied Health Education and Accreditation and the criteria for membership on CAHEA follow.

Purposes and Responsibilities of CAHEA

1. To evaluate and accredit allied health education programs for which *Essentials* have been adopted by the collaborating organizations (including the American Medical Association, Council on Medical Education).
2. To review periodically existing allied health education *Essentials* and accreditation procedures.
3. To maintain active liaison with the collaborating medical specialty and allied health associations in a consortium for the accreditation of allied health education programs; and in relationship to allied health education to maintain active liaison with the American Society of Allied Health Professions, Association of Academic Health Centers, National Health Council, and federal agencies such as the Office of Education, Veterans Administration, and the Army, Navy, and Air Force.
4. To establish and maintain liaison with technical and professional groups which are allied to medicine but for which no *Essentials* have been adopted in collaboration with the American Medical Association.
5. To maintain liaison with institutions conducting accredited allied health education programs, such as community and junior colleges, four-year colleges, universities, schools of allied health professions, hospitals and clinics, proprietary schools, and vocational and technical institutes.
6. When new allied health occupations have been recognized by the American Medical Association, to work with the most directly concerned medical specialty, allied health, and other national professional organizations to draft minimal standards as *Essentials* for an accredited allied health education program, and to establish collaborative relationships for the concerned organizations to accredit education programs.

CAHEA Membership Criteria

The fourteen members of the Committee on Allied Health Education and Accreditation should include persons having broad interest and competence in the fields of the allied health professions and services:

1. Members of the allied health professions and services having competence in educational matters.
2. Hospital administrators having jurisdiction over multiple

allied health programs and major interest in the education of the manpower supply in the allied health fields.

3. Practicing physicians interested in the concept of the cooperative provision of health care through the use of the health team.
4. Educational institutional administrators and educators who are experienced and concerned with broad areas of health education.
5. Members of the broad field of postsecondary education outside the field of medicine.
6. An allied health student or recent graduate of allied health education.
7. Members of the informed public.

Recognition of CAHEA as an Accreditation Umbrella Organization

The purpose of accreditation in the United States is to ensure a basic level of quality through nongovernmental peer evaluation, performed by volunteers, of educational institutions and programs. The autonomy enjoyed by institutions of higher education results in wide variations in the character and quality of their programs, but certain basic levels of quality must be demonstrated before institutions can receive either *institutional* or *programmatic* (specialized) accreditation.

Institutional accreditation signifies that the various components are making a satisfactory contribution to achieving the institution's objectives. Regional accrediting associations, as well as some national accrediting agencies, perform *institutional* accreditation. *Programmatic* (specialized) accreditation signifies that a particular program, department, or school meets recognized criteria established by an appropriate body. Most of the programmatic units reviewed are part of an institution evaluated periodically by one of the regional and/or national accrediting commissions. But professional schools and other specialized, vocational, or other postsecondary institutions (including those within noneducational settings, such as hospitals) may be reviewed for programmatic accreditation.

The Committee on Allied Health Education and Accreditation serves as an "umbrella" accrediting agency for allied health education programs in medical schools, junior and community colleges, senior colleges, universities, vocational and technical schools and institutions, and in hospitals, clinics, etc.

NATIONAL RECOGNITION OF CAHEA TO ACCREDIT

In 1977, the US Office of Education and the nongovernmental Council on Postsecondary Accreditation commended the American Medical Association for making progress in broadening the base of the accrediting body; for transferring the adoption of *Essentials* from the House of Delegates to the Council on Medical Education; and for delegating final action on allied health program accreditation to the Committee on Allied Health Education and Accreditation (CAHEA).

US OFFICE OF EDUCATION AND CAHEA RECOGNITION

The US Commissioner of Education recognizes the Committee on Allied Health Education and Accreditation as a coordinating agency for allied health education accreditation, and includes CAHEA, in cooperation with review committees sponsored by collaborating organizations, on the list of nationally recognized accrediting agencies. The American Medical Association was one of the 28 accrediting agencies on the initial list published by the Commissioner in 1952. The reliance of government on private accrediting agencies has been repeated in seventeen major federal-aid-to education acts, including the 1963 Health Professions Act, 1963 Vocational Education Act, 1964 Civil Rights Act, 1964 Nurses Training Act, 1965 State Technical Services Act, 1965 Higher Education Act, 1966 Allied Health Professions Act, 1967 Educational Professions Development Act, and the Education Amendments of 1972.

Advisory Committee on Accreditation and Institutional Eligibility

An Accrediting Review Committee established in 1965 to respond to the Nurse Training Act requirement for program accreditation was succeeded in 1967 by a fifteen-member Advisory Committee on Accreditation and Institutional Eligibility, chartered under the Federal Advisory Committee Act (PL 92-463). The members, appointed to three-year terms by the Secretary of Health, Education, and Welfare, represent various segments of the secondary and postsecondary educational community, the student/youth population, state departments of education, professional associations, and the general public. The Committee assists the US Commissioner of Education in determining eligiblity in accordance with PL 82-550, the Veterans' Readjustment Assistance Act of 1952, and subsequent legislation. The Committee also advises the Commissioner on broader policy matters and on specific issues relating to accreditation and to institutional eligibility for federal funding. The specific mandate of the Committee is available in *Nationally Recognized Accrediting Agencies and Associations* (March 1978), published by the US Office of Education, DHEW, Bureau of Higher and Continuing Education, Division of Eligibility and Agency Evaluation.

Division of Eligibility and Agency Evaluation

In 1968, the Commissioner of Education established the Division of Eligibility and Agency Evaluation, formerly the Accreditation and Institutional Eligibility Staff, to deal with accreditation and eligiblity. The major functions of the committee are also described in *Nationally Recognized Accrediting Agencies and Associations*. On January 16, 1969, revised Criteria for Recognition were published in the Federal Register (see 34 Fed. Reg. 643-44). Those Criteria are presently under study for revision. Private accrediting agencies that comply with the criteria receive official US Office of Education recognition as accrediting bodies. In March 1978, the Committee on Allied Health Education and Accreditation, in cooperation with the review committees, was recognized to accredit 15 allied health professions (see Figure I–3 for a complete listing).

Commissioner's List of Recognized National Accrediting Agencies

Although there is no legal or other requirement for an accrediting agency to secure recognition from the US Commissioner in order for it to function (some accrediting agencies function without it), the Commissioner's list of recognized accrediting agencies has grown from 28 in 1952 to sixty-nine in 1977. Accreditation is generally considered to be the single most reliable indicator of quality in higher education, and private accrediting agencies play a broad role in maintaining and improving educational standards.

Criteria and Procedures for USOE Recognition

In order to be designated by the US Commissioner of Education as a nationally recognized accrediting agency, an applicant must meet criteria and procedures published in the Federal Register on August 20, 1974, under Title 45—Public Welfare, Chapter 1—Office of Education, Department of Health, Education, and Welfare. These criteria and procedures include:

1. the *functions* of the agency or association (scope of operations, organization, and procedures);
2. the *responsibility* of the agency or association (meeting clearly identified needs, being responsive to the public interest, ensuring due process in its procedures, demonstrating ethical practices, maintaining a self-evaluation program, evaluating outputs consistent with the goals of the institution or program, encouraging experimental and innovative programs, accrediting only institutions or programs that meet published standards, reevaluating accredited institutions or programs, and requiring that references to accreditation clearly specify accredited areas and levels;
3. the *reliability* of the agency or association (national acceptance, regular self-review, no fewer than two years' experience as an accrediting agency or association, and inclusion of the "community of interests" affected by its accreditation); and
4. the *autonomy* of the agency or association (forming independent judgments and avoiding conflicts of interest).

Figure I–3—Occupations CAHEA is Recognized to Accredit by the US Office of Education

Assistant to the Primary Care Physician
Cytotechnologist
Histologic Technician
Medical Assistant
Medical Laboratory Technician *(Associate Degree)*
Medical Laboratory Technician *(Certificate)*
Medical Record Administrator
Medical Record Technician
Medical Technologist
Nuclear Medicine Technologist
Occupational Therapist
Physical Therapist
Radiation Therapy Technologist
Radiographer
Respiratory Therapist
Respiratory Therapy Technician
Specialist in Blood Bank Technology
Surgeon's Assistant
Surgical Technologist (Operating Room Technician)

COUNCIL ON POSTSECONDARY ACCREDITATION AND CAHEA RECOGNITION

In 1963, the American Medical Association and its collaborating organizations were recognized by the National Commission on Accreditation (NCA) to accredit baccalaureate degree programs for the medical record administrator, medical technologist, occupational therapist, and physical therapist. In 1977, the Committee on Allied Health Education and Accreditation was given continued recognition by the Council on Postsecondary Accreditation (COPA) for allied health program accreditation for 23 professions, in participation with 15 review committees sponsored by collaborating organizations.

Formation of COPA

The Council on Postsecondary Accreditation (COPA), a national nongovernmental, nonprofit educational organization, coordinates nongovernmental voluntary accrediting activities in the United States at the postsecondary level. In this role, COPA stands as a "balance wheel" in relation to nearly 4,000 institutions of postsecondary education accredited through fifty-one accrediting bodies that have been evaluated and recognized by COPA to conduct accreditations.

Although it had a different name, some new personnel, and a somewhat redefined role for postsecondary education, COPA was formed of two predecessor organizations—the National Commission on Accreditation (NCA) and the Federation of Regional Accrediting Commissions of Higher Education (FRACHE) when it became operative on January 1, 1975. The NCA, an institutional membership group, validated, monitored, and coordinated the accrediting activities of professional programmatic accrediting bodies. FRACHE, a federation of nine regional accrediting commissions of postsecondary education, provided coordination by adopted policies, procedures, and practices by which the regional commissions agreed to abide.

Provisions and Procedures for COPA Recognition of National Accrediting Agencies

An applicant for accreditation recognition by COPA is required to demonstrate that it complies with certain specific provisions in the following broad areas:

1. Organizational structure;
2. Public responsibility;
3. Evaluative practices and procedures;
4. Educational philosophy and procedures; and
5. Other matters involving procedure, cooperation, and coordination.

An agency seeking initial or continuing recognition by COPA submits an application to COPA. After receiving recognition, an agency wishing to change the scope of its accrediting activities for valid reasons consults with COPA; if the new procedures meet COPA provisions, the agency may apply for COPA recognition of its changed activities.

Complaints

COPA receives and attempts to mediate appropriately documented complaints, submitted by institutions or programs related to its recognized accrediting agencies:

> An appropriate complaint for this purpose is defined as one involving issues between an institution or program and a COPA member concerning alleged violations of a member's criteria or procedures, but does not include a dispute about a finding of fact by the member agency unless the complainant makes a prima facie showing that the finding is clearly erroneous in view of the reliable, probative and substantial evidence on the whole record before the member agency. *(COPA: The Balance Wheel for Accreditation)*

COPA will receive undocumented complaints and will send copies of materials received to the agency involved. Complaints accompanied by "documentation that the complainant has exhausted all administrative remedies for complaints resolution provided by the agency will result in a specified series of actions" *(COPA: The Balance Wheel for Accreditation).*

For additional information about COPA—its purposes, roles, and philosophy—request the information pamphlet entitled *COPA: The Balance Wheel for Accreditation* from the Council on Postsecondary Accreditation, One Dupont Circle, NW, Suite 760–770, Washington, DC 20036.

Allied Health Issues and Concerns

Accreditation of allied health educational programs inevitably involves a large number of different types of institutions, organizations, and individuals, all of which have discrete interests and objectives. The Committee on Allied Health Education and Accreditation (CAHEA) focuses its attention on those areas of concern and interest to the allied health educational community which affect the quality and effectiveness of educational programs.

One of the most important vehicles for effecting necessary changes in allied health education and accreditation is the biannual meetings, sponsored by CAHEA, of the Panel of Consultants and Special Advisors. Thirty-seven medical specialty societies and allied health organizations are represented on the Panel of Consultants, while three military sevices, three national education organizations, several health-related organizations and associations, the voluntary and governmental regulation bodies for accreditation, the Veterans Administration, and the Department of Health, Education, and Welfare are represented by the Special Advisors. This broad representation of professionals in allied health and of individuals working indirectly in allied health or education join with the thirteen-member Committee on Allied Health Education and Accreditation and the AMA Department of Allied Health Evaluation staff to identify, as well as explore solutions to, current and emerging educational and accreditation issues.

Consensus on issues often results in drafting suggested CAHEA procedure statements. Areas that require more intensive study by interested or involved individuals are discussed at task force meetings made up of Panel of Consultants representatives, Special Advisors, CAHEA members and AMA Department of Allied Health Evaluation staff. Task forces work to resolve problems of immediate concern, draft procedure statements, and/or to disseminate information on areas of continuing change and concern.

As of April 1978, task forces are meeting on the following four topics: recommended standard formats, proliferation of accreditation, concurrent and coordinated program evaluations, and multicompetency allied health education. The other topics discussed in this section have either previously been subjects for task force deliberation or currently represent an area of interest or concern. The topics are loosely categorized within the following three areas: Accreditation, Education, and Cooperative Efforts.

ACCREDITATION

PROLIFERATION OF ALLIED HEALTH ACCREDITATION ACTIVITIES

Unnecessary proliferation and specialization of allied health accreditation activities were first identified as concerns in the early 1970's by the AMA Council on Medical Education in cooperation with its Advisory Committee on Education for the Allied Health Professions and Services. Prompting this identification was the recognition of the rapid increase in the numbers of types of allied health occupations since 1967. From 1933 to 1967, the Council on Medical Education collaborated in the accreditation of educational programs for only eight allied health occupations. By 1974, the number had jumped to 24, with 10 of those beginning since 1971. The problem was originally addressed by the Council in a procedure and policy statement adopted in March, 1974, and CAHEA is now building on the work of the Council to update and revise its position.

The following 1979 early working draft developed by the Task Force on Proliferation and Specialization must be approved by both the Panel of Consultants and the review commiteee chairpersons before CAHEA may consider it for adoption. It is therefore subject to change and is offered here for reader's information only.

Proliferation in Accreditation

CAHEA recognizes that certain health practitioners may group together and achieve recognition without seeking formal accreditation of educational programs. Such groups may also independently seek recognition of their accreditation activities by USOE or COPA.

However, new health occupations, and already established health professions not yet collaborating with the AMA in the accreditation of their educational programs, may also apply for recognition to the AMA Council on Medical Education. Such recognition is for the purpose of eventual collaboration with the AMA in accreditation and is the necessary first step in the process, Because of its role as an umbrella organization under which allied health educational programs have a point of unity, the AMA feels a responsibility and recognizes an opportunity to insert rationality into the process of recognizing emerging health occupations.

Before an emerging occupation is considered for recognition, it should be the responsibility of the petitioning organization(s) to demonstrate, in accordance with the AMA *Guidelines* for *Recognition of Emerging Health Occupations*, that

(1) the primary consideration in recognition of a potential new health occupation shall be predicated upon substantial benefit of such recognition to the improvement of patient care;
(2) it is national in scope and in its contribution to patient care;
(3) it is sufficiently different from the currently recognized professions;
(4) it has a substantial and unique body of knowledge and techniques which are necessary for safe and successful practice of that occupation, and currently is not provided by other professions.

The pace of the development of allied health educational occupations and the character and organization of their educational programs have changed in recent years. From 1933 to 1967, the Council on Medical Education collaborated in the accreditation of educational programs for only eight different allied health occupations. Most of these programs were conducted in hospitals and were not clustered into any coordinated pattern. However, from 1967 to 1979, the number of occupations that developed *Essentials* for programs which were subsequently adopted by the Council increased to 32, with eight of these beginning the last three years.

The continuing phenomenon of additional allied health professions seeking recognition from AMA stems from a series of interrelated factors. Some new health occupations develop because of newly developed technologies; other long-established occupations eventually seek AMA recognition. Some existing professions divide into special subdivisions and often each seeks independent recognition; other new health professions emerge and seek groups sharing common or related responsibilities. Many such groups subsequently seek recognition by becoming part of the allied health family accredited under the AMA umbrella.

The AMA's formal procedure for recognizing emerging health occupations has been in place since 1969. From 1969 to 1975 it was the responsibility of the AMA Council on Health Manpower; since 1976 it has been conducted by the Council on Medical Education. This formal process has contributed to the monitoring of unnecessary proliferation and fragmentation of allied health occupations and has encouraged early exploration of appropriate linkages for emerging health professions.

In addition to the multiplication of allied health occupations, there has also been a growing concern about the proliferation of accreditation activities. In 1972 there were approximately 2,650 AMA-accredited allied medical educational programs. Of these approximately 2,200 were located in hospitals, 250 in four-year colleges, and 200 in junior/community colleges. Although many of these institutions sponsored allied health programs that were not under the accreditation purview of the Council on Medical Education, the total number of institutions, including hospitals, sponsoring three or more AMA-accredited educational programs in 1972 was 172. Those institutions having two AMA-accredited programs number 496, and 1,934 institutions sponsored only one program. Although the majority of programs were found in institutions sponsoring only one AMA-accredited program, the problem of proliferation and fragmentation of accreditation activities, that followed naturally upon the increased number of occupations and their educational programs, was of sufficient magnitude to demand serious attention. The problem was heightened by the fact that sponsoring institutions were subject to programmatic and institutional review by many other accreditation agencies, for aspects of quality assessment that fall beyond the scope of AMA and its collaborating organizations. Fifteen years ago, the proliferation and fragmentation of accreditation activities for allied health educational programs was not a major problem; in the early 1970's, the Council on Medical Education recognized it as an issue to be faced and dealt with in a constructive manner. CAHEA has adopted this same posture.

Relative to proliferation and fragmentation of accreditation activities, it is the position of CAHEA that there is no reason to assume that each new occupation that deservedly attains status and recognition automatically requires a new accreditation review committee. If the new occupation can be served well by being fitted into already existing review mechanisms, this procedure is preferred.

CAHEA believes that it should and can assist in curtailing needless proliferation and fragmentation of the accreditation activities under its purview. To this end, CAHEA makes the following recommendations:

1. Before a new accreditation review committee is established to help develop standards and evaluate the quality of educational programs for a new occupation recognized by the Council on Medical Education, every reasonable effort should be made to accommodate these functions into an appropriately related, already existing accreditation structure, making whatever modifications are necessary and proper.
2. Where possible, accreditation site visits and evaluation teams should be combined, especially for related occupations. This can reduce the number of individual accreditation surveys, the size of the survey teams, and the costs involved—both to the institution sponsoring the programs and to the accreditating agency and related review committees.
3. Common report forms and survey reports evaluating two or more related programs should be used wherever possible.

CONCURRENT AND COORDINATED PROGRAM EVALUATIONS

Concurrent or coordinated program on-site evaluation (variously referred to as institutional, multiprogram, multidisciplinary, etc., evaluation) has been under study for several years by the Committee on Allied Health Education and Accreditation; by its predecessor, the Advisory Committee on Allied Health Education; by the AMA Council on Medical Education; and by CAHEA's Panel of Consultants. Innovation and experimentation have generally characterized the approach used by participants in conducting coordinated program evaluations. The culmination of experience to date has enabled CAHEA's Task Force on Concurrent Program Evaluation to draft a working paper, entitled "Guidelines for Coordinated and Concurrent Site Surveys of Allied Health Educational Programs." The "Guidelines" have been approved in their present form by the Panel of Consultants, and will now go before the review committee chairpersons at CAHEA's July 1979 meeting. If approved by the review committee chairpersons in July, the document will be reviewed by CAHEA at that time and possibly adopted. In the meantime, the document as a working paper is subject to change. If adopted, the "Guidelines" will supersede the current document appearing in Appendix B, "Jointly Sponsored Evaluation Surveys."

Guidelines for Coordinated and Concurrent Site Surveys of Allied Health Educational Programs

The Committee on Allied Health Education and Accreditation (CAHEA) is pleased to cooperate with institutional and programmatic accrediting agencies in the coordination of visits to universities, colleges, schools, hospitals, and other institutions which have applied for initial or continuing program accreditation by CAHEA.

The following guidelines are offered to facilitate efficient and productive on-site accreditation visits.

I. Initiating Coordinated and Concurrent Site Surveys

  A. Coordinated and concurrent site surveys are conducted at the request of the chief executive officer of the sponsoring educational institution.
  Individual program surveys are scheduled at the same time. Teams are appointed for each educational program to be accredited.

  B. Differentiation between coordinated and concurrent site surveys

    1. Coordinated site survey
    This is accomplished by careful coordination of all activities for maximal efficiency in terms of time and personnel effort expended.
    Through coordinated planning, the team members assist each other in evaluating basic common services shared by all programs, while retaining responsibility for evaluating the unique components of each individual program.

    2. Concurrent on-site survey
    Activities of the survey teams are carried on independently at the same time, yet without the advantage of joint planning conferences or coordinated evaluations of services and resources common to all programs.

II. Planning Coordinated and Concurrent Site Surveys

  A. Educational institution

    1. Preferably eighteen months in advance of the desired survey dates, the educational institution notifies the accrediting agencies—CAHEA staff and the Review Committee staff of the collaborating agencies—of the desire for a coordinated or concurrent accreditation survey of two or more allied health educational programs.

    2. The educational institution identifies its own accreditation survey coordinator, who is also responsible for maintaining liaison with the CAHEA coordinator and the staff of the collaborating agencies for planning, arranging, and conducting the site surveys.

    3. The educational institution appoints self-study committees for each program. An additional joint self-study committee is recommended to address the common section of the self-study.

  B. CAHEA Staff

    1. CAHEA staff consults with the staff of all collaborating agencies confirming the request of the educational institution to participate in coordinated or concurrent surveys and to identify mutually acceptable dates for the surveys.

    2. CAHEA staff confirms the mutually acceptable dates for the coordinated or concurrent surveys with the educational institution and identifies dates on which self-study reports and related documents must be received by the accreditation review committees (or bodies) concerned.

  C. Review Committee

    1. Each review committee is responsible for providing to the institution's designated coordinator and program directors instructions on how to conduct a programmatic self-study, how to prepare a self-study report, and how to submit other required documents.

    2. The representatives of the review committees and the CAHEA coordinator establish the composition of the survey teams and delineate the responsibilities of team members.

III. Arranging Coordinated and Concurrent Site Surveys

  A. Establishing the schedule

    1. With the coordinator of the educational institution, CAHEA staff reviews the objectives and practices of the collaborating review committees and provides the coordinator with a typical schedule of activities performed by site survey team members.

    2. The coordinator of the educational institution works with the program faculty and administration to establish a suggested or tentative schedule for the coordinated or concurrent surveys which accommodates the requirements of all programs.

    3. The CAHEA staff coordinator, the review committee staff representatives, and the team leaders from all collaborating agencies review the tentative schedule prepared by the educational institution and either revise it or accept it. The CAHEA coordinator works with the coordinator of the educational institution in confirming the final schedule.

  B. Establishing team membership and responsibilities

    1. Team membership

      a. Coordinated site survey
        (1) a representative or representatives for each applicant program being evaluated
        (2) an educational administrator with experience in a similar institution
        (3) a physician or other specialist when appropriate

      b. Concurrent site survey
        (1) a representative or representatives for each applicant program being evaluated
        (2) an educational administrator with experience in a similar institution
        (3) a physician or other specialist, when appropriate

    2. Team composition and responsibilities
    The CAHEA staff coordinator, the staff representative of the review committees, and the team leaders determine the roles and responsibilities of survey team members.

IV. Conducting Coordinated and Concurrent Site Surveys

  A. Reviewing the "Self-Study Report"
  Prior to conducting the site survey, the team members review the "Self-Study Report" prepared for educational programs which are within the accreditation purview of CAHEA. The "Self-Study Report" should contain:

    1. A common section, with data on the administration, finances, services, facilities, and related resources; and

    2. A special section, with data documenting compliance with the *Essentials* for the individual professions, for each educational program being considered for accreditation.

  B. Surveying the program sites

    1. Coordinated site survey
    Team members assist one another in evaluating common services shared by all programs while retaining responsibility for evaluating the unique components of the program in their professional area as required by established accreditation standards.

    2. Concurrent site survey
    Each team carries out its investigations and/or evaluations independently.

  C. Interviewing the administrative officials and program directors
  The chief administrator of the educational institution

determines whether the initial and exit interviews related to collecting data and reporting survey findings are to be conducted jointly by all teams' members or by each individual survey team.

- D. Making recommendations regarding accreditation after conducting a coordinated or concurrent site survey
    1. Each program survey team submits a written report to its review committee staff. The review committee staff submits the report of findings to the chief executive officer of the educational institution, requesting a review of the factual accuracy of the report. The review committee may request a written response.
    2. Each review committee makes its recommendations concerning accreditation of each individual program to CAHEA.
    3. CAHEA sends the educational institution a letter indicating the accreditation status for each program.

- V. Possible Advantages and Disadvantages of Coordinated and Concurrent Site Surveys
    - A. Possible advantages
        1. To the educational institution
            - a. Time
              One coordinated or concurrent site survey may replace several individual program survey visits, thereby reducing the demands made on personnel and facilities associated with the data-gathering process.
            - b. Money
              Reducing time lost through accreditation activities would be reflected in reduced expenses for the educational institution especially with regard to the time loss of upper level administrators.
        2. To the reviewing and accrediting units
            - a. Time
              Because only one unit would be gathering data on common services, team members working with individual programs could devote more time and attention to gathering other desired data.
            - b. Perspective
              Gathering data on several programs at one time would enable team members to establish a basis for comparison among educational programs and thereby more fully investigate the extent to which the programs fulfill the objectives of the educational institution as well as comply with the individual program *Essentials.*
            - c. Money
              A coordinated or concurrent site survey may be conducted with fewer survey team members, thereby reducing expenses for travel, accommodations, and the like.
    - B. Possible disadvantages
        1. Loss of visibility
           Some programs may feel that a coordinated or concurrent site survey involving many programs would cause the administration to pay less attention to each of them and that the individual programs might lose visibility.
        2. Complexity of arrangements
           The possible advantages of a coordinated or concurrent site survey of several programs may not be perceived as compensating for the additional time required and possible confusion created by the complexity of arrangements needed when involving larger numbers of people in the initiation, planning and conduct of such a survey.

FAIR PRACTICES IN EDUCATION

Another area of concern in the accreditation of allied health educational programs is whether certain fair practice guidelines, many of which are required by federal law, are followed in the administration and conduct of the program. The Committee on Allied Health Education and Accreditation encourages review committees and site survey teams to consider specific fair practices in education when evaluating a program. These fair practices relate to announcements, nondiscrimination, safety, matriculation, and finances. CAHEA refers charges of alleged unfair practices to the appropriate review committee for investigation and recommended action.

The policy statement on "Fair Practices in Education" (formerly referred to as "ethical" or "professional" standards), is accompanied by suggestions to help ensure that prospective students are suitably informed of the accreditation status of educational programs. Advertising, surveillance, and information dissemmination are recommended to prevent unaccredited programs from claiming to be accredited. Consultation, administrative involvement, and sanctions are recommended to correct deficiencies in substandard programs. The policy and suggestions appear in Appendix B.

EDUCATION

The Committee on Allied Health Education and Accreditation necessarily devotes more time and attention to accreditation activities than to issues and concerns related to education in general. However, education is currently receiving increasing attention, as evidenced by activities and efforts in three areas: continuing education, instructor preparation, experimental and innovative programs, and multicompetency allied health education.

CONTINUING EDUCATION

Continuing education concerns have been addressed by a variety of allied health subcommittees, task forces, and conferences, all of which have recognized the desirability of providing allied health professionals with opportunities to maintain post-entry level competence in fields characterized by accelerated technological advancements. Although the relationship between continuing education, the competence of the individual practitioner, and the quality of care delivered to the public has not been established, the general feeling is that continuing education has a positive effect on the professions and their practitioners. The number of continuing education offerings therefore continues to grow, and various groups and individuals advocate close scrutiny of the state of the art in order to influence the nature of this growth. During the past few years, major issues have been identified, and some progress has been made toward their resolution:

- Availability and Accessibility of Continuing Education Opportunities—Continuing education programs are currently being provided by professional organizations (medical specialty and allied health), schools of allied health, medical schools, voluntary health agencies, regional medical programs, hospitals, consultants, commercial firms, and others. Accessibility has been enhanced through increased independent study options (including self-instructional learning packages), as well as through programs that vary in format and scheduling to meet the needs of mid-career professionals.
- Mandatory versus Voluntary Participation—Although ensuring the continued competence of the allied health practitioner is the foremost goal of continuing education, the merits of mandatory versus voluntary continuing education have been debated by professions, by consumer advocacy

groups, and by legislators. On the assumption that participation in continuing education programs provides reasonable assurance of continued competence, some legislatures have enacted blanket continuing education requirements for all regulated professions and a growing number of professions are mandating continuing education. But until programs are designed so that all licensees will be able to fulfill mandated requirements, until the relationship of continuing education to professional competence and to quality health care has been established, and until standards for content and delivery can be developed, the mandatory/voluntary controversy will continue.

- Curriculum or Program Approval—Approval, or "accreditation," of continuing education curricula or programs has been identified as an area needing immediate investigation. Some sort of approval or accreditation mechanism is viewed as desirable, but the key issues of whether sponsors of programs or programs themselves should be evaluated for approval or accreditation and of who does the evaluating still need to be resolved.
- Needs Assessment, Delivery Systems, and Financial Support—All other continuing education issues impinge upon need and feasability. Licensure and certification requirements are imposing needs; employers and professional associations are addressing their perspective of professional needs; and practitioners are assessing what they perceive to be their needs. The two latter groups are concerned with individual learning types and accessibility and therefore advocate a wide variety of strategies and supportive media. The bottom line—who pays the bills—is being looked at more carefully in an era in which "cost containment" is receiving as much attention as quality care.
- Assigning, Transcripting, and Transferring Credit—The Continuing Education Unit ("ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction, and qualified instruction") has been recognized by CAHEA as an appropriate unit of measurement for allied health professionals. CAHEA encourages professional societies and certifying bodies to adopt this mechanism for recording voluntary or required individual participation in continuing education activities. Although clock hours and point systems continue to be used to reflect continuing education, colleges and universities, professional associations and societies, and business, industry and labor are increasingly adopting the CEU, which simplifies assigning, transcripting, and transferring continuing education credit. Some of the incentive mechanisms established by allied health professional organizations cooperating with CAHEA also serve as transcripting devices. Such programs include the Professional Acknowledgment for Continuing Education (PACE) program of the American Society for Medical Technology, the Verification of Involvement in Continuing Education (VOICE) program of the Technologist Section of the Society of Nuclear Medicine, and the Evidence of Continuing Education (ECE) program of the American Society of Radiologic Technologists.
- Responsibility—Academic institutions, professional organizations, employers, practitioners, licensing/certifying agencies, state and Federal agencies, health care consumers—what group is responsible for providing continuing education for allied health personnel? At the present time, whichever group has the motivation and the resources is the provider. But publications and conference on the topic indicate that cooperation and coordination are receiving increasing attention.

INSTRUCTOR PREPARATION

Institutions sponsoring allied health programs, national allied health associations, and other groups are concerned that allied health instructors and educators have adequate knowledge of and skills in curriculum design and teaching techniques in both didactic and clinical education. Toward this end, the groups sponsor—or at least support the concept of—instructor preparation programs tailored to meet the needs of allied health professionals.

The strength of the support for instructor preparation for allied health professionals is clearly indicated by the incorporation of the following statement in the "Recommended Standard Format for *Essentials*":

> Accredited programs shall have a policy that encourages continuing education in the health profession or occupation and assures ongoing instruction for the faculty in curriculum design and teaching techniques.

This ongoing instruction may be obtained through regular academic offerings or through continuing education programs, which may include in-service workshops, self-instructional materials, and other individualized approaches tailored to meet the needs of employed mid-career professionals. The length and scheduling of the offerings—ranging from semester or quarter courses to compressed (one week, evenings, intersessions, etc.), short-term, or episodic structures—reflects the constraints on the employed professional. CAHEA and the groups that cooperate with it in the accreditation process encourage the assignment of academic credit or Continuing Education Units to such offerings, if appropriate.

The Department of Allied Health Evaluation of the AMA is currently gathering information about the kind and scope of efforts being made to prepare allied health educators. Providers are requested to send information on workshops, inservice programs, instructor preparation courses, etc., accompanied by copies of catalogs or other materials describing the offerings, to the department at 535 N Dearborn St, Chicago, IL 60610. The information should include the title of the course, program or learning materials; a brief description; the date offered (if applicable); admission requirements; and the number of credit hours of Continuing Education Units assigned. Submitted information will be featured periodically in the *Allied Health Education Newsletter* and may be published separately in a brochure on instructor preparation for allied health professionals.

EXPERIMENTAL AND INNOVATIVE PROGRAMS

As indicated by the emphasis on variety and flexibility in the sections on "Continuing Education" and "Instructor Preparation," the Committee on Allied Health Education and Accreditation actively encourages and supports the development and implementation of innovative or experimental approaches to allied health educational programs. Such approaches may vary substantially from the traditional didactic or laboratory method and therefore may not be in complete compliance with the *Essentials* applicable to such programs. In order to ensure educational quality and professional competence, experimental and innovative programs must incorporate a statement of purpose, written objectives, assessability of performance, and methods of evaluation.

The policy statement entitled "Procedure, Criteria & Suggestions Regarding Experimental & Innovative Programs" (Appendix B) contains standards and criteria, with specific suggestions to assist in interpreting the policy.

MULTICOMPETENCY ALLIED HEALTH EDUCATION

The need for multicompetency, or multiskilled, allied health practitioners has become increasingly acute in underserved small rural hospitals, neighborhood clinics, and in private practice settings where a wide variety of medically-related tasks are performed. The alternative of employing single-skilled allied health professionals is unfeasible primarily because of difficulties in recruiting and retaining qualified practitioners. For instance, insufficient work volume makes the salary paid a single-skilled practitioner unsupportable by most small hospitals. Moreover, the volume of work in a small rural hospital if frequently insufficient to provide job satisfaction or professional challenge for single-skilled practitioners.

The inability of the single-skilled practitioner to meet the various needs in these settings has prompted those involved in the delivery of medical care to train multicompetency, or multiskilled, practitioners. Currently, several allied health educational programs are exploring innovative and non-traditional curricula to prepare allied health personnel. Most of these programs employ the multicompetency approach, in which students attain selected knowledge and skills from two or more traditional health occupations and professions. One approach involves combining selected elements of education from different fields; some commonly needed components of laboratory technology combined with those in radiography, or medical assisting skills combined with physical therapy techniques. Another approach allows a person already credentialed in one allied health profession to attain additional health-related skills in another professional field. Both approaches give a person a broader range of skills to respond to the more common health needs in the combined occupational fields.

Employment records of graduates from programs which develop multicompetencies indicate that employment opportunities are plentiful, especially in smaller facilities such as neighborhood clinics and rural hospitals where the limited volume of specialty services precludes the need for full-time personnel in each of the professions. The challenge of functioning in broader capacities may increase job satisfaction and encourage staff retention in underserved settings.

The Committee on Allied Health Education and Accreditation (CAHEA) is interested in the concept of multicompetency allied health education and has directed a task force to study the benefits of these programs. Also interested in the concept are groups of health professionals who may want to be involved in a consultative role as these programs develop. Initially, the task force will gain as much information as possible about existing programs.

COOPERATIVE EFFORTS

MILITARY ALLIED HEALTH EDUCATION

The military services represent a major educator of allied health manpower, enrolling approximately 45,500 enlisted students every year in allied health educational programs at several major centers throughout the country. More than 10 million Americans receive health care services provided by graduates of military allied health training programs.

The following information, excerpted and updated from the *Compendium of Military Allied Health Education,* provides a broad overview of the military allied health educational system. Included is the current roster of the military Special Advisors to the Committee on Allied Health Education and Accreditation (CAHEA), information concerning the history and background of this advisory group, a chart comparing civilian and military allied health occupations, a listing of military allied health educational programs accredited by CAHEA, and a description of the system employed by each service to obtain civilian institutional academic credit for military allied health educational programs. Specific information on individual courses offered by the military is included in Appendix E of this *Directory.*

Single copies of the *Compendium,* published by the Department of Allied Health Evaluation of the American Medical Association (535 N Dearborn St, Chicago, IL 60610), are available free of charge from the AMA, Order No. AH-42, PO Box 821, Monroe, WI 53566.

Military Special Advisors to CAHEA

Because of the inherent differences between civilian and military allied health programs, review of military allied health educational programs applying for accreditation represents a major cooperative effort between the military and civilian sectors. The need for a closer interrelation between the civilian and military sectors in allied health education was brought to the AMA's attention in 1970 at a conference with military representatives. The AMA responded by requesting that the Surgeons General of the Army, Navy and Air Force each appoint two representatives as special advisors in military allied health educational matters to the committee then recommending accreditation to the AMA's Council on Medical Education. The advisors have met biannually since then to provide liaison support in the accreditation of military allied health educational programs.

The Special Advisors identified several areas in 1971 in which their liaison efforts would facilitate communications between the two sectors. These areas, described below, remain topics of continuing effort and concern today.

Common Language: The terminology used to describe allied health occupations varies, compounding problems in communication and in identifying similar occupations in civilian and military health care. For example, civilian and military job titles may be expressed in different terms. Thus, while many of the same patient care services may be provided in military as well as in civilian hospitals, the occupational titles of personnel providing the services may differ. Furthermore, a number used to designate a military occupation specialty may cover an occupational area, and should not necessarily be limited to specific discrete civilian allied health occupational titles.

Accreditation: Some military allied health education programs are accredited, others, which may qualify, are not. Representatives of the Army, Navy and Air Force review educational programs accredited by CAHEA and identify those military programs which most closely resemble the civilian health occupation. In turn, CAHEA does all it can to expedite the review process leading to accreditation for these programs.

Comparability of Curricula: Training methods, of necessity, vary in military allied health educational programs. To meet its manpower requirements, the military must train allied health personnel as quickly and efficiently as possible, emphasizing attainment of a core level of competency. Although the hours, days and weeks of instruction may be scheduled differently in civilian and military educational programs, the total time spent in instruction and learning may be the same in both military and civilian programs. Therefore, in determining equivalency between military and civilian allied health education, emphasis should be placed on academic and clinical competency rather than on length of curricula.

In order to facilitate the accreditation process, the commonalities of the military and civilian allied health programs should be identified as much as possible.

Registration and Certification: Many allied health professionals must be registered and certified to obtain employment in their respective occupations. If the civilian health care system is to utilize military trained allied health personnel, former servicemen must be able to qualify for the appropriate examinations necessary for registration and certification. Frequently, graduation from a CAHEA accredited program is required to qualify for these examinations. Once registration or certification is obtained, the serviceman's qualification for the civilian health care delivery system should be more readily recognized should he separate from the service.

Figure 1-4—Comparison of Civilian and Military Allied Health Occupations

The chart provided on this and the following pages is an attempt to correlate civilian and military allied health education occupations by occupational functions. The correlation does not and should not be interpreted as implying interchangeability of training or level of function and competency. Comparisons are based upon significant similarities of training and function, but the civilian and military programs each have characteristics not necessarily shared with the other. Occupations are listed alphabetically. Occupations for which educational programs are accredited by the Committee on Allied Health Education and Accreditation are listed in capital letters.

ALLIED HEALTH OCCUPATION	MILITARY OCCUPATIONS AND/OR SERVICE DESIGNATION		
	US Army	US Navy	US Air Force
ASSISTANT TO THE PRIMARY CARE PHYSICIAN	Physician's Assistant, *Designation:* SS1-011A	Physician's Assistant-Warrant Officer *Designation:* NOBC-0099	Physician's Assistant (Commissioned) *Designation:* 9286
CYTOTECHNOLOGIST	Medical Laboratory Specialist *Designation:* MOS-92B20U2 thru 92B40U2	Cytology Technician, Basic *Designation:* HM-8504 Cytotechnologist *Designation:* HM-8505	Cytotechnology Specialist *Designation:* 90432/90472
Dermatology Assistant	Dermatology Specialist (Medical Specialist) (Plus Course HM-8495 or B-300-0029) *Designation:* MOS-91B10D2 thru 91B30D2	Dermatology Technician *Designation:* HM-8495	Allergy/Immunology Specialist/Technician *Designation:* 91234/91274
Electrocardiograph Technician (ECG/EKG Technician)	Cardiac Specialist *Designation:* MOS-91N10 thru 91N30 Cardiac Catherization Specialist (Cardiac Specialist) (Plus Course B-300-0018) *Designation:* 91N20Y6 thru 91N40Y6		
ELECTROENCEPHALOGRAPHIC TECHNICIAN/TECHNOLOGIST	Electroencephalograph Operator *Designation:* MOS-91B20T6, 91B30T6	Electroencephalography Technician *Designation:* HM-8454	Neurology Technician *Designation:* 90932/90972
EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC	Medical Specialist (Plus Emergency Medical Technician Course) *Designation:* MOS-91B10 thru 91B40 Special Forces Aidman *Designation:* MOS-91B1S thru 91B4S	Hospital Corpsman—Class A *Designation:* HM-0000 Advanced Hospital Corpsman *Designation:* HM-8425 Field Medical Service Technician *Designation:* HM-8404	Medical Services Specialist *Designation:* 90250/90270 Aeromedical Specialist Technician *Designation:* 90150/90270
HISTOLOGIC TECHNICIAN	Medical Laboratory Specialist *Designation:* MOS-92B30 thru 92B50	Histology Technician, Basic *Designation:* HM-8502 Histology Technician, Advanced *Designation:* HM-8503	Histopathology Specialist *Designation:* 90431/90471
Licensed Practical Nurse (LPN)	Practical Nurse *Designation:* MOS-91C1T, 91C2T Patient Care Specialist *Designation:* MOS-91C10 thru 91C20 Practical Nurse *Designation:* MOS-91C30 thru 91C50	Hospital Corpsman *Designation:* HM-0000	Medical Service Technician *Designation:* 90270 (Voc. Nurse)
MEDICAL ASSISTANT	Medical Specialist *Designation:* MOS-91B10 thru 91B50	Advanced Hospital Corpsman *Designation:* HM-8425	Medical Services Specialist/Technician *Designation:* 90250/90270

ALLIED HEALTH OCCUPATION	**MILITARY OCCUPATIONS AND/OR SERVICE DESIGNATION**		
	US Army	**US Navy**	**US Air Force**
Medical Equipment Repair	Biomedical Equipment Repairer *Designation:* MOS-35G10, 35G20 Biomedical Electronic Equipment Repairer *Designation:* MOS-35S10 thru 35S30 Biomedical X-Ray Equipment Repairer *Designation:* MOS-35T10 thru 35T30 Biomedical Equipment Maintenance Chief *Designation:* MOS-35U40, 35U50		
Medical Illustrator			Medical Illustrator *Designation:* 23171A
MEDICAL LABORATORY TECHNICIAN *(Certificate)*	Medical Laboratory Specialist (Basic) *Designation:* MOS-92B10, 92B20	Laboratory Technician (Basic) *Designation:* HM-8501	Medical Laboratory Specialist *Designation:* 90450
MEDICAL LABORATORY TECHNICIAN *(Associate Degree)*	Medical Laboratory Specialist (Advanced) *Designation:* MOS-92B30 thru 92B50	Medical Laboratory Technician *Designation:* HM-8506	Medical Laboratory Specialist/Technician *Designation:* 90450
Medical Photographer		Medical Photography Technician *Designation:* HM-8472	Medical Photographer *Designation:* 23270A
MEDICAL RECORD ADMINISTRATOR	Patient Administration NCO *Designation:* MOS-71G30, 71G40		Medical Administration Specialist/Supervisor *Designation:* 90650/90670
MEDICAL RECORD TECHNICIAN	Patient Administration Specialist *Designation:* MOS-71G10, 71G20		
MEDICAL TECHNOLOGIST	Medical Laboratory Specialist *Designation:* MOS-92B30 thru 92B50 Clinical Laboratory Officer (Commissioned) *Designation:* MOS-68F00	Medical Technologist (Commissioned) *Designation:* NOBC-0850 Medical Technologist *Designation:* HM-8507	Medical Laboratory Specialist *Designation:* 90450*
NUCLEAR MEDICINE TECHNOLOGIST	Nuclear Medicine Specialist *Designation:* MOS-91W20 thru 91W40	Clinical Nuclear Medicine Technician *Designation:* HM-8416	Nuclear Medicine Technician *Designation:* 90970
Nurse's Aide	Medical Specialist *Designation:* MOS-91B10 thru 91B30	Hospital Corpsman *Designation:* HM-0000	Medical Service Specialist *Designation:* 90250
OCCUPATIONAL THERAPIST	Occupational Therapist (Commissioned) *Designation:* SSI-65A	Occupational Therapist (Commissioned) *Designation:* NOBC-0855	Occupational Therapy (Commissioned) *Designation:* 9226
Occupational Therapy Assistant	Occupational Therapy Specialist *Designation:* MOS-91L10 thru 91L40	Physical & Occupational Therapy Technician *Designation:* HM-8466	Occupational Therapy Specialist *Designation:* 91351/91331/91231/91251
OPHTHALMIC MEDICAL ASSISTANT	Eye Specialist *Designation:* MOS-91Y10 thru 91Y40 Optical Laboratory Specialist *Designation:* MOS-42E10 thru 42E50	Optician Technician *Designation:* HM-8463 Ocular Technician Level I & Level II *Designation:* HM-8444, 8445	Ophthalmology Surgical Technician *Designation:* 91270 Optometry Specialist *Designation:* 91255/91275/91235/91233

ALLIED HEALTH OCCUPATION	MILITARY OCCUPATIONS AND/OR SERVICE DESIGNATION		
	US Army	US Navy	US Air Force
Orthopaedic Physician's Assistant	Orthopaedic Specialist *Designation:* MOS-91H10 thru 91H40 Orthotic Specialist *Designation:* MOS-42C10 thru 42C40	Orthopaedic Cast Room Technician *Designation:* HM-8489	Orthopaedic Clinic Technician *Designation:* 91233/91273
Otolaryngology Assistant	ENT Specialist *Designation:* MOS-91U10 thru 91U40	Otolaryngology Technician *Designation:* HM-8446	Otorhinolaryngology Surgical Technician *Designation:* 91231/91271
Pharmacist's Assistant	Pharmacy Specialist *Designation:* MOS-91Q10 thru 91Q40	Pharmacy Technician *Designation:* HM-8482	Pharmacy Specialist *Designation:* 90550 Pharmacy Technician *Designation:* 90570
PHYSICAL THERAPIST	Physical Therapist (Commissioned) *Designation:* SSI-65B	Physical Therapist (Commissioned) *Designation:* NOBC-0873	Physical Therapist (Commissioned) *Designation:* 9236
Physical Therapy Assistant	Physical Therapy Specialist *Designation:* mos-91J10 thru 91J40	Physical & Occupational Therapy Technician *Designation:* HM-8466	Physical Therapy Specialist/Technician *Designation:* 91350/91370
RADIOGRAPHER	X-Ray Specialist *Designation:* MOS-91P10 thru 91P40	X-ray Technician *Designation:* HM-8452	Radiologic Specialist *Designation:* 90350
RESPIRATORY THERAPIST			
RESPIRATORY THERAPY TECHNICIAN	Respiratory Specialist *Designation:* MOS-91V10 thru 91V40	Cardiopulmonary Technician *Designation:* HM-8408	Cardiopulmonary Laboratory Technician *Designation:* 91670
SPECIALIST IN BLOOD BANK TECHNOLOGY	Medical Laboratory Specialist (Plus additional OJT) *Designation:* MOS-92B10M4 thru 92B50M4 Clinical Laboratory Officer (Commissioned) *Designation:* MOS-68F008T		Medical Laboratory Specialist *Designation:* 90450
SURGICAL TECHNOLOGIST	Operating Room Specialist *Designation:* MOS-91D10 thru 91D40	Operating Room Technician *Designation:* HM-8483	Operating Room Specialist *Designation:* 90252
Urologic Physician's Assistant		Urological Technician *Designation:* HM-8486	Urology Surgical Technician *Designation:* 91232/91272

*NOTE: The number 90450 is a service designation for an occupational area and does not relate to a specific, discrete civilian occupational title.

Interorganizational Liaison: There should be a free interchange of information on allied health education between the military and civilian allied health agencies. Each should be aware of responsible contact sources and should continually strive to improve communications.

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Military Allied Health Educational Programs Accredited by CAHEA

CAHEA has expressed its willingness in a procedure statement adopted October 1978 to accredit an entire educational program in a single allied health discipline conducted by a military service irrespective of whether the program is conducted at one or more locations. The following conditions would apply:

1. An on-site team from the review committee will evaluate the appropriate educational program of each service at any or all of the locations at which the program is in operation.
2. If the team reports to the review committee that the educational program of that service for the particular educational program meets or exceeds the *Essentials* the review committee can recommend to the Committee on Allied Health Education and Accreditation that the program be approved for that military service.
3. The Committee on Allied Health Education and Accreditation could then accredit the educational program for that military service and direct that it be so listed in the *Allied Health Education Directory* and individual listings of accredited educational programs for allied health occupations, with the institutions involved within the military services listed appropriately as affiliates.

Educational programs in the following occupational areas are accredited by CAHEA. Also listed are primary training sites for each area.

US Army
Walter Reed Army Medical Center
Washington, DC
  MEDICAL TECHNOLOGIST
  SPECIALIST IN BLOOD BANK TECHNOLOGY
Tripler Army Medical Center
Honolulu, HI
  MEDICAL TECHNOLOGIST
William Beaumont Army Medical Center
El Paso, TX
  MEDICAL TECHNOLOGIST
Academy of Health Sciences
Fort Sam Houston, TX
  CYTOTECHNOLOGIST
  MEDICAL TECHNOLOGIST
  PHYSICAL THERAPIST
  RADIOGRAPHER
  RESPIRATORY THERAPY TECHNICIAN

US Navy
Naval School of Health Sciences
San Diego, CA
  CYTOTECHNOLOGIST
  MEDICAL TECHNOLOGIST
  RADIOGRAPHER
Naval Regional Medical Center
Great Lakes, IL
  MEDICAL TECHNOLOGIST
Naval Health Sciences Education and Training Command
Bethesda, MD
  CYTOTECHNOLOGIST
  MEDICAL TECHNOLOGIST
  NUCLEAR MEDICINE TECHNICIAN
Naval Regional Medical Center
Portsmouth, VA
  SURGICAL TECHNOLOGIST
  RADIOGRAPHER

US Air Force
Malcolm Grow USAF Medical Center
Andrews Air Force Base, MD
  MEDICAL TECHNOLOGIST
USAF Regional Hospital
Carswell Air Force Base, TX
  MEDICAL TECHNOLOGIST
Wilford Hall USAF Medical Center
Lackland Air Force Base, TX
  MEDICAL TECHNOLOGIST
USAF School of Health Care Sciences
Sheppard Air Force Base, TX
(affiliated with Midwestern State University, Wichita Falls)
  ASSISTANT TO THE PRIMARY CARE PHYSICIAN
  MEDICAL LABORATORY TECHNICIAN
   (CERTIFICATE)
  SURGICAL TECHNOLOGIST
  RADIOGRAPHER

Academic Credit for Military Allied Health Educational Programs

Military medical departments have developed arrangements with suitable institutions to grant academic credit to personnel who have successfully completed a military allied health training program. This arrangement in some cases also assists the military training center to apply for and receive accreditation of its educational programs from the Committee on Allied Health Education and Accreditation (CAHEA).

US Army

The US Army presently has affiliation agreements with three colleges and three universities offering two master degree programs and 13 medical technician programs. Associate of Science degrees are offered in the following four technical fields: Advanced Medical Laboratory, Dental Hygiene, Biomedical Electronic Equipment Maintenance, and Biomedical X-Ray Equipment Maintenance.

Upon enrolling and successfully completing these courses, students are carried as enrolled members of the school concerned and may obtain transcripts of their credits and present them for acceptance at other institutions of undergraduate education. The Academy of Health Sciences is planning on enrolling 28,000 enlisted students in 116 courses of instruction.

US Navy

The Navy Medical Department allied health training is conducted at several locations across the United States. Some of the major training sites are NHHS, Bethesda, Maryland; NSHS Detachment, Portsmouth, Virginia; HCS, Great Lakes, Illinois; and NSHS, San Diego, California. Approximately 35 courses are taught to nearly 7,500 enlisted personnel each year covering a variety of allied health professions. Several of the programs are affiliated with the George Washington University, Grossmount College and Merritt College, which permit students to earn college credits toward an Associate's or a Bachelor's degree. Each year, approximately 800 students attend the Navy affiliated courses and earn college credits toward a degree. The institution evaluates the courses, assigns academic credits for them, and, when all requirements are met by the student, grants a degree in that allied health specialty. Transfer credits are allowed and credits are granted for CLEP and USAFI courses so that students, upon completion of the core portion of their training, may complete degree requirements in a variety of ways.

US Air Force

Air Force Medical Service training is primarily conducted at the School of Health Care Services (SHCS), Sheppard Air Force Base (AFB), Wichita Falls, Texas, School of Aerospace Medicine (SAM), Brooks AFB, San Antonio, Texas and at associated training locations. Approximately 60 courses are taught to nearly 10,000 enlisted personnel each year covering the gamut of health care professions. The SHCS and SAM are accredited by the Southern Association of Colleges and Schools. In addition, the SHCS has cooperative agreements with Midwestern University, Wichita Falls, Texas, and the University of Oklahoma, Norman, Oklahoma, which allows for a sharing of resources and grants college-level credit to military personnel for selected courses. In some cases, allied health graduates may obtain academic credit through the Community College of the Air Force (CCAF). This multi-campus institution grants associate degrees for programs it develops from offerings of existing Air Force schools. Its administrative center is at Lackland AFB, Texas. The primary goal of CCAF is to integrate Air Force technical training and related college level education (off-duty) into consistent, meaningful patterns of career growth toward obtainable objectives. The heart of this effort is for participating individuals to complete their associate degree requirements in their respective specialties. Degrees are offered in five main areas, one of which is Health Care Sciences. The CCAF associate degree in Health Care Sciences is considered to be equivalent to similar associate degree programs available in the best community colleges across the nation.

Although Air Force medical facilities provide all the services normally available in a civilian hospital, there are certain service-unique functions which require special training. To accomplish these functions, courses are conducted for dental, dental laboratory, aeromedical evacuation, independent duty medical service, optometry, veterinary, bioenvironmental health and compression chamber technicians.

JOINTLY SPONSORED ADA-AMA EVALUATION SURVEYS

The American Dental Association has also agreed to engage in cooperative efforts with the Committee on Allied Health Education and Accreditation (CAHEA). The ADA has gone on record in the statement Jointly Sponsored ADA-AMA Evaluation Surveys (see Appendix B) that it is willing to conduct concurrent multidisciplinary evaluations for dental auxiliary and physician support personnel educational programs in the same educational institution.

AMERICAN HOSPITAL ASSOCIATION MUTUAL RESPONSIBILITIES IN EDUCATING HEALTH MANPOWER*

In 1967 the American Hospital Association published the *Statement on Role and Responsibilities of the Hospital in Providing Clinical Facilities for a Collaborative Educational Program in the Health Field* as the S43 leaflet. Its purpose was to assist hospitals and other health care agencies in developing cooperative programs with educational institutions to train and educate health care personnel. Since then, the growth of health occupations education courses has spiraled, generating an increase in the demand for clinical facilities. After reviewing the 1967 document, the Association's Council on Manpower and Education revised it to make the guidelines current and useful to both educational and health care institutions. These guidelines, approved by the House of Delegates on September 22, 1976, emphasize the shared responsibility of hospitals and educational institutions regarding curriculums, clinical facilities, and costs.

A hospital's primary mission is high-quality patient care. This mission is achieved through education, research, and service. One form of education of health care personnel is through the cooperation of hospitals and other health care agencies with educational institutions. (Institution in this instance is defined as a school, college, or university whose primary function is education.) This document is intended to help hospitals to strengthen this relationship.

The hospital governing body (often referred to as a board of trustees) is morally responsible for the quality of health care rendered to the community it serves. This quality depends to a great extent on the competency of those in the health care institution who provide direct patient care. Competency is achieved through education and training, which requires on-the-job learning and practice in the actual health care setting. By the same token it is the responsibility of the educational institution to the student, the community, and the sponsoring agent to ensure the merit of the educational program.

Preliminary considerations

Before entering into cooperative arrangements for an educational program, the governing body of each institution has a responsibility to assess the value and appropriateness of the proposed program in terms of the needs of the institution and the community. By permitting the use of the hospital as a laboratory for an educational program under college or other educational auspices, the hospital governing board in effect is giving evidence to the public that, in its judgment, the program is designed to prepare individuals with the skills necessary to ensure high-quality performance.

Prior to making a decision on whether or not to make facilities available for educational purposes, hospital authorities have the responsibility to:

1. Understand the philosophy, objectives, and goals underlying the other institution's programs and the broad educational policies established to achieve those goals. On these matters, the hospital must be in basic agreement with the institution because it will share the responsibility for ensuring an educational program of acceptable standards.
2. Appraise the other institution's capabilities and resources to conduct the program. In addition, the chief executive officer should carefully examine the health care facility's resources regarding costs and assets for learning experiences.
3. Ascertain that the educational programs of the cooperating institutions meet the established standards of recognized accrediting agencies.

Relationships

Collaboration with another institution in an educational program implies a relationship in which both institutions seek to constantly improve and strengthen the program. The hospital has the responsibility of promoting acceptance of the program by the hospital's professional and administrative staffs and fostering coordinated relationships between the educational institution and the various departments of the hospital concerned with the program.

To accomplish this, the hospital and the educational institution must agree upon an organizational plan that provides for coordination of activities and a system of communication whereby information, recommendations, policy interpretation, evaluation, and plans for development may be exchanged readily. In view of the hospital's responsibility for the quality of patient care, the hospital shares in the administration of the program relative to the commitment of its resources.

The hospital must continue to have complete control over the care of the patients.

In a cooperative program, the hospital and the educational institution share certain responsibilities. At the outset they should prepare written objectives, policies, and procedures.

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The educational goals of the program should relate to the needs of the hospital and the community. The curriculum should be mutually agreed upon to ensure the acquisition of the skills necessary to perform the job for which persons are being educated or trained. In designing the program, the following points should be taken into consideration: (1) the ratio of students to instructors, (2) the number of students to be assigned to a given unit at any time, (3) the identification of facilities to be used by students, and (4) the level of expected student performance.

Costs

In preparing a program budget, the hospital and the educational institution should agree on their respective financial responsibilities. In doing so, the hospital must also consider the impact of various third-party payer reimbursement policies that relate to elements of educational costs.

Responsibility for obtaining and administering grant money should be specified in the affiliation agreement. Such funds may be funneled through the school, the hospital, or allocated between the two agencies. The value of the hospital's facilities and educational services may be reimbursed directly by the cooperating institution, or the institutions may negotiate other benefits that are of value to each. When more than one educational institution is involved in a program, each institution should assume its share of the costs.

Resources

Because the purpose of the hospital's participation in the educational program is to provide a field for learning and practice, the hospital is responsible for the creation of a suitable environment in which such practice can take place. It is the hospital's responsibility to provide clinical resources, physical facilities, and supportive services appropriate to the program.

Contracts and agreements

If the hospital is to collaborate in the educational program with another institution, a written contract* should be established between the hospital and the other institution. The contract can be an agreement with one institution or several institutions offering similar educational programs. A separate contract should be prepared for each affiliation. The contract may cover only one discipline or be a core agreement for several occupational categories. In a core agreement, appendixes can cover the specifics for each discipline.

As the official representative of the governing body, the chief executive officer of the hospital is responsible for the implementation of the contract or agreement. If he decides to delegate responsibility for the program, he should consider appointing one person to act as liaison with the educational program to avoid interdepartmental conflicts and duplication of efforts.

The terms of the contract may include:

1. Identification of parties to the contract.
2. Statement of purpose that identifies the reasons for affiliation.
3. Beginning and terminal dates of the contract.
4. Joint responsibility, such as nondiscrimination clause; rules and holiday schedules; equipment exchange; insurance coverages; curriculum construction and change; health requirements and mutual use of facilities; and the liability of the health care facility and educational institution for injuries or torts of students and teachers, such as "hold harmless" clauses.
5. Specific obligations to be determined by the hospital and educational institution for:
    a. Student selection, promotion, dismissal, or use of resources.
    b. Supervision of students.
    c. Physical facilities, equipment, and supplies, such as classrooms, laboratories, library facilities, offices, conference rooms, student dressing and locker room space, and cafeteria.
    d. Direct costs such as salaries of teachers, supervisors, and supportive staff and indirect costs, such as administration, overhead, and depreciation.
    e. House and services available for student clinical experiences in all or only in certain clinical areas.
    f. Director of the hospital department connected with the particular program in planning and providing opportunities for clinical experience. Because the hospital is responsible for the care rendered to patients, the authority of the director of the department must be safeguarded. If several departments are involved, appointment of a staff member to coordinate and supervise the programs may be considered. If several educational institutions are involved, a coordinating committee is recommended consisting of representatives from each educational institution, the directors of the services involved, and the supervisors of units in which students will be trained.
6. Provisions for mutual research programs consistent with applicable laws, regulations, and policies governing research in both institutions.
7. Provisions for identification of publications.
8. Definitions of patents and copyrights.
9. Provisions for review, modification, and cancellation of the contract. These should consider the responsibility of each institution, to the students and to the community.

Before the contract is signed, it should be reviewed by legal counsel and any other appropriate consultants to make sure the contract does not conflict with the law and policy of the state and that it protects the rights of all parties.

Evaluation

By permitting another institution to use its facilities, the hospital gives assurance to the public and to the students that it has appraised and endorsed the quality of the overall educational program.

The hospital also has the responsibility to periodically review the program to ensure its continued high quality.

REFERENCES

American Hospital Association. *Health Manpower Education and Training: Role and Responsibility of Hospitals and Other Health Care Agencies.* Chicago: AHA, 1974.

______. Health Education: *Role and Responsibility of Health Care Institutions.* Chicago: AHA, 1975.

______. *Continuing Education for Personnel in Health Care Institutions* Chicago: AHA, 1975.

ASSOCIATION FOR ACADEMIC HEALTH CENTERS STATEMENT OF POSITION

Adopted October 5, 1975 on recommendations of the AAHC Committee on Allied Health

Allied health professionals and technicians form one of the constellations of health manpower educated in Academic Health Centers and constitute an important national resource. The AAHC should encourage effective utilization of personnel from these fields in the provision of health care.

Because of the varied roles that allied health graduates can play in programs of health care, and the potential magnitude of this source of health manpower, each Academic Health Center should seek to develop responsible and supportive relationships with all institutions concerned in the education of allied health manpower within its region.

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*For more specific information on the structure and content of contracts and agreements, see *Form and Function of Written Agreements in the Clinical Education of Health Professionals* by Margaret L. Moore, Mabel M. Parker, E. Shepley Nourse, published by Charles B. Slack, 1972.

Academic Health Centers should assume a role of leadership in the continuum of allied health education. Primary responsibility for graduate and research programs should be placed in the Centers. Clinical educational components of allied health programs not located in such Centers should be coordinated with appropriate components within the regional Academic Health Center where appropriate.

In addition to assuming an advisory relationship to programs of various kinds in different settings, the Academic Health Center should reach out and become involved in these programs in a variety of collaborative roles.

The Academic Health Center should participate in planning and development of curricula at all levels, and should foster articulation of curricular components at different educational levels.

The Academic Health Center should participate in development of consortia within its region when such consortia are component to effective utilization of existing clinical facilities and will result in improvement of the educational quality of current or planned allied health educational programs.

Additional responsibilities of AAHC in relationship to allied health:

1. This Association should accept the role, in collaboration with other national health associations and agencies, of looking at the needs, numbers, kinds and functions of allied health professions and personnel. A limited number of core curricula should be defined and these should serve as bases for the proliferating varieties of allied health specialists. On any one generic core, several varieties of allied health specialists could base the clinical training appropriate to a given specialty.
2. With the proliferation of varieties of allied health specialists, the process of accountability for their continuing competence, the range of services to be delivered by each, and assignment of responsibility for each, remains to be clarified. The AAHC's participation in this process of clarification should be substantial and ongoing.
3. Each Academic Health Center should attempt to respond to the requests of collaborating associations which look upon the Center as a source of continuing education efforts. The AAHC should support the need for "outcome studies" on the effectiveness of continuing education for all health professional programs.
4. The AAHC should urge those agencies involved in the accreditation of allied health educational programs to resolve promptly the organizational problems in such accreditation and to *encourage accreditation of schools, divisions, or clusters* of programs in allied health rather than accreditation of each individual specialty.
5. And finally, and most importantly, the AAHC should foster collaboration of all health professions and services in the delivery of health care. If the Academic Health Center is to fulfill its mission, then the concept of the health care team should permeate all its curricula, both didactic and clinical.

Section II: Accreditation

Overview of Accreditation Process

DEFINITION OF ACCREDITATION

The term accreditation refers to a process of external peer review whereby a private, nongovernmental agency or association grants public recognition to an institution or specialized program of study which meets certain established qualifications and educational standards, as determined through initial and subsequent periodic evaluations. Accreditation applies only to institutions and their programs of study or their services.

PURPOSE OF ACCREDITATION

The primary purpose of the accreditation process is to provide a professional judgment as to the quality of the educational institution or program and to encourage its continued improvement, thereby protecting the public against professional or occupational incompetence of its graduates.

NEED FOR ACCREDITATION

The necessity for accrediting educational programs in higher education—the need for criteria or standards to measure an educational program's acceptability by professional peers and for periodic self-evaluation and planning—has long been recognized. Accreditation encourages order and cooperation among diverse programs and widely varying objectives. And it commits accrediting agencies to a larger community of responsibility, that of joining with other accrediting agencies to increase their contributions to the society they serve.

BENEFITS OF ACCREDITATION

General public and governmental acceptance of the benefits of accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) are indicated by the fact that federal agencies and non-governmental foundations use the lists of CAHEA-accredited programs to determine eligibility for institutional and student grants and financial aid and that many hospitals require job applicants to be graduates of a program accredited by CAHEA.

Moreover, credentialing bodies in many allied health occupations indicate a preference for graduates of CAHEA-accredited programs, while some even limit candidacy to such graduates, except in special circumstances. Above all, accreditation is an assurance of quality in education, because accredited programs are required to meet certain minimum standards of education established by the professionals in the field.

By stating that an institution has met established standards, accreditation provides benefits in the following areas:

Students:	Helps prospective students to identify institutions that meet standards established by the field in which they are interested. Assists students who wish to transfer from one institution to another.
Institutions:	Protects against harmful internal and external pressures to modify programs for reasons that are not educationally sound. Involves faculty and staff in comprehensive institutional evaluation and planning. Stimulates self-improvement by providing national minimum standards against which the institution can judge itself.
Society:	Assists the process of professional certification, registry or licensure by reasonable assurance of quality educational preparation for such credentialing. Provides one of several considerations used as a basis for determining eligibility for Federal assistance. Helps to identify institutions and programs for the investment of public and private funds.

SPONSORSHIP OF AN ACCREDITED PROGRAM

Criteria for Identifying a Sponsoring Institution. In considering the accreditation status of educational programs, including those involving the facilities of more than one institution, the Committee on Allied Health Education and Accreditation follows established standards for identifying the program sponsor. Basically, the sponsoring institution or consortium must assume primary responsibility for the academic/didactic portion of the program, for coordinating the didactic and clinical education experiences, for appointing acceptable faculty, for ensuring the financial support necessary for the continuity of the program, for selecting students, and for granting degrees. A complete list of the criteria may be found in "Policy Statement on Identification of Sponsoring Institution," Appendix B.

Types of Sponsoring Institutions. Hospitals, laboratories, and educational institutions are the primary types of sponsors for allied health educational programs. These categories include facilities operated by a military service. Proprietary schools may sponsor accreditable programs: Accreditable US sponsored programs may be located in US territories, possessions, and protectorates, as well as in foreign countries.

COOPERATION IN ACCREDITATION

Role of AMA. The American Medical Association began program accreditation collaborations with national allied health professional associations in 1933, beginning with the American Occupational Therapy Association. The AMA offers the cumulative experiences of 50 years of collaboration to all groups interested in program evaluation for purposes of accreditation in the allied health career field.

Role of CAHEA. In order for a program to be accredited by the Committee on Allied Health Education and Accreditation, the program is required to perform a self-analysis—a comprehensive, systematic examination of the program within its institutional setting, and to submit a self-analysis report—a qualitative self-assessment of the program's compliance with the *Essentials*. Qualified professionals, most of whom have received training in conducting site visits, go to the institution to evaluate first hand whether the program does comply with the minimum standards established in the *Essentials*. The appropriate review committee, after studying the report and supporting materials submitted by the site surveyors, then makes an accreditation recommendation to the Committee on Allied Health Education and Accreditation. CAHEA then makes the accreditation determination and informs the sponsoring institution of its decision.

Role of Collaborating Organizations. The Council on Medical Education collaborates with 43 allied health organizations and medical specialty societies in the accreditation process through adoption of *Essentials*, sponsorship of review committees, and review of programs. Adoption of *Essentials* for educational programs is a responsibility shared by the collaborating organizations sponsoring accreditation in that profession; the AMA as a collaborator acts through its Council on Medical Education. The collaborating organizations each participate in drafting new *Essentials*, and their governing bodies formally adopt *Essentials*. (The American Society for Medical Technology and American Society of Clinical Pathologists are exceptions in that they have delegated their authority to adopt *Essentials* to the National Accrediting Agency for Clinical Laboratory Sciences.) Sponsorship of review committees is a means by which the collaborating organizations participate in the accreditation process. Collaborating organizations provide representatives to meet as review committees in the evaluation of programs applying for initial or continuing accreditation. All collaborating organizations sponsoring a review committee must contribute substantially to the financial support of its operations. Some organizations do this by housing the executive staff office of the review committee in their headquarters; most also provide financial support for travel and other expenses of review committee members. Additionally, all collaborating organizations participate in program review through the involvement of their members in site visits of educational programs. Also, one representative from each collaborating organization serves on the CAHEA Panel of Consultants.

Role of Review Committees. After *Essentials* have been adopted, the collaborating organizations appoint a review committee. When programs apply for accreditation it is this committee which makes arrangements for an on-site visit, forms the team, and evaluates the teams report after the survey. They then recommend an accreditation status to CAHEA.

A CAHEA statement "Policies and Procedures for Review Committees" (see Appendix B) provides information on the establishment, structure, and staffing of review committees, as well as on policies and procedures relating to the interaction of CAHEA and the review committees in the accreditation process. Procedures used to appoint review committee members for each of the 19 committees are depicted in Figure II–1. Also see "Function and Mechanism for Establishment of Review Committees" in the "Statement of Basic Principles" in Appendix B.

The 43 collaborating organizations and the 19 review committees they sponsor, as well as the occupations the committees evaluate for compliance with the *Essentials*, are depicted in Figure II–2. The interrelationships among the various components of the accreditation process are illustrated in Figure II–3.

NEW HEALTH OCCUPATIONS

Before considering a new allied health occupation and the minimal standards for an education program for this occupation, the following questions should be answered in this order:

1. What services are needed by the patient?
2. How can these services be provided most effectively?
3. Can the people in existing health occupations provide these services most efficiently?
4. If not, what new allied health occupation is needed?
5. What, exactly, are the tasks which this new allied health occupation will be expected to perform?
6. What education program is needed to develop the proficiency to perform these tasks?

The Committee on Allied Health Education and Accreditation asks that national organizations interested in a new, emerging allied health occupation take the first five steps in cooperation with the AMA Department of Health Manpower, using the *Guidelines for Development of New Health Occupations*, which follow. If and when it has been determined that a new allied health occupation is a necessary member of the health care team, it will be formally recognized as a collaborating organization by the Council on Medical Education.

GUIDELINES FOR THE DEVELOPMENT OF A NEW HEALTH OCCUPATION

I. SCOPE OF DUTIES

A. A job description should be available, providing a delineation of potential duties and responsibilities. Such a description should not be overly detailed to the point of rigidity.

B. Limitations of function appropriate for assuring quality care and protection for the public should be defined.

C. Procedures for assuring necessary medical supervision should be developed for the variety of potential employment settings.

II. NEED

A. A careful analysis of the area of service under consideration should be provided. The analysis should address such questions as: (1) Who is presently delivering the intended service? (2) What limitations in the provision of service make it necessary to develop an additional type of personnel? (3) What would be a reasonable projection for the number of new personnel that could be employed in ten years? The method for arriving at the projection should be discussed. (4) Why would it not be possible to assign the functions to be performed by the new personnel to existing manpower categories, thereby avoiding the necessity for creating a new category? Careful attention should be given in the analysis of the need for the proposed manpower category to documenting and justifying why the alternative of creating a new occupation is indicated, and to the potential impact of the new category on existing occupational categories. Where it is methodologically reasonable, such techniques as a "task analysis" of the service area should be utilized.

B. The practicing medical profession should be consulted early in the planning stages of a new occupation, particularly in documenting the anticipated degree of acceptance and utilization. Ideally the constituent or component medical society or appropriate specialty society should be involved as a co-sponsor.

C. An indication of public acceptance of the new occupation should be discussed.

Figure II-1—Summary of Procedures Used to Appoint Members to Review Committees

Occupational Area and Occupation	Review Committee and Collaborating Organizations	Committee Size	APPOINTMENT PROCEDURE	
			Chairperson–Term/Tenure	Committee Members–Term/Tenure
CYTOTECHNOLOGY Cytotechnologist	CYTOTECHNOLOGY PROGRAMS REVIEW COMMITTEE American Society of Cytology	11	Selected by Executive Committee for a 1 year appointment, with possible reappointment by committee members.	ASC Executive Committee appoints members for 3 years with a possible reappointment.
ELECTROENCEPHALOGRAPHY Electroencephalographic Technician Electroencephalographic Technologist	JOINT REVIEW COMMITTEE ON EDUCATION IN ELECTROENCEPHALOGRAPHIC TECHNOLOGY		Committee member who is elected for a 2-year term by the committee members. (May be reelected)	Members and their alternates are appointed by their respective organizations for a 4-year term. (Maximum tenure—two terms)
	American Electroencephalographic Society	2		
	American Medical Electroencephalographic Association	2		
	American Society of Electroencephalographic Technologists	4		
		8 + 8 alt.		
EMERGENCY MEDICAL TECHNOLOGY Emergency Medical Technician-Paramedic	JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR THE EMT-PARAMEDIC		Elected by Committee for a 2-year term. (May be reelected)	Not specified
	American College of Emergency Physicians	2		
	American College of Surgeons	2		
	American Psychiatric Association	2		
	American Society of Anesthesiologists	2		
	National Association of Emergency Medical Technicians	2		
	National Registry of Emergency Medical Technicians	2		
		12		
MEDICAL ASSISTING Medical Assistant	CURRICULUM REVIEW BOARD American Association of Medical Assistants	7	Individual is elected by the membership of the Board for a 2-year term. (Can serve no more than 2 consecutive terms)	Appointed by the Endowment of AAMA from recommendations provided by the CRB as follows: 4 members of AAMA for 2-year terms with possibility of serving for 2 additional consecutive 2-year terms. 1 licensed physician, who has recently been or is practicing, for a 3-year term. 2 educators from institutions offering an accredited program for 3-year terms. 1 of the above educators must be from the proprietary sector and one from the public sector.
MEDICAL ASSISTING-PEDIATRICS Medical Assistant in Pediatrics	CURRICULUM REVIEW BOARD (See Medical Assistant) American Academy of Pediatrics American Association of Medical Assistants			Pediatric consultant joins Curriculum Review Board when pediatric programs are reviewed.

Figure II-1—Summary of Procedures Used to Appoint Members to Review Committees

Occupational Area and Occupation	Review Committee and Collaborating Organizations	Committee Size	APPOINTMENT PROCEDURE	
			Chairperson–Term/Tenure	Committee Members–Term/Tenure
MEDICAL LABORATORY	NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES (NAACLS) NAACLS REVIEW BOARD American Society for Medical Technology American Society for Microbiology American Society of Clinical Pathologists National Society for Histotechnology	15	A chairman and vice-chairman are elected from the membership for a 1-year term by the committee members. (May be reelected)	Members are appointed for 4-year terms as follows: Appointed by appropriate sponsoring or participating organization: 3 ASMT medical technologist educators, 3 ASCP clinical pathologist educators, 2 supportive level practitioners, and 1 clinical microbiologist. Elected by Board: 1 general supervisory technologist, 1 clinical laboratory director, 1 non-MD, non-MT educator from a less-than-four-year program, 2 non-health industry public representatives.
Histologic Technician	NAACLS HISTOLOGIC TECHNICIAN REVIEW COMMITTEE American Society for Medical Technology American Society for Microbiology American Society of Clinical Pathologists National Society for Histotechnology	5	A chairman is elected from the membership for a 1-year term by the committee members. (May be reelected)	NAACLS Review Board appoints 2 pathologist educators, 2 histotechnologist educators, and 1 representative histotechnologist from NSH for a 4-year term. (May be reappointed)
Medical Laboratory Technician *(Associate Degree)*	NAACLS MEDICAL LABORATORY TECHNICIAN *(ASSOCIATE DEGREE)* REVIEW COMMITTEE American Society for Medical Technology American Society for Microbiology American Society of Clinical Pathologists	6	A chairman and vice-chairman are elected from the membership for a 1-year term by the committee members. (May be reelected)	NAACLS Review Board appoints 2 pathologist educators, 2 medical technologist educators, and 2 non-MD, non-MT educators for a 4-year term. (May be reappointed)
Medical Laboratory Technician *(Certificate)*	NAACLS MEDICAL LABORATORY TECHNICIAN *(CERTIFICATE)* REVIEW COMMITTEE American Society for Medical Technology American Society for Microbiology American Society of Clinical Pathlogists	6	A chairman and vice-chairman are elected from the membership for a 1-year term by the committee members. (May be reelected)	NAACLS Review Board appoints 2 pathologist educators, 2 medical technologist educators, 1 non-MD, non-MT educator, and 1 practitioner for a 4-year term. (May be reappointed)

Medical Technologist	NAACLS MEDICAL TECHNOLOGIST REVIEW COMMITTEE American Society for Medical Technology American Society for Microbiology American Society of Clinical Pathologists	12	A chairman and a vice-chairman are elected from the membership for a 1-year term by the committee members. (May be reelected)	NAACLS Review Board appoints 5 medical technologist educators, 5 pathologist educators, and 2 non-MD, non-MT educators for a 4-year term. (May be reappointed)
MEDICAL RECORDS Medical Record Administrator Medical Record Technician	EDUCATION AND REGISTRATION COMMITTEE American Medical Record Association	9	Appointed for a 1-year term by president of AMRA. The appointee must have been a member of the E&R Committee for at least 2 years. (Maximum tenure—1 term)	Appointed for a 3-year term by president. Appointees must be both members of AMRA and registered record administrators. The committee is composed of: 5 practitioners 4 MRA and/or MRT directors (Three new members are appointed annually)
NUCLEAR MEDICINE Nuclear Medicine Technologist	JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS IN NUCLEAR MEDICINE TECHNOLOGY		Member of the committee elected for a 1-year term by the committee members. (No maximum tenure specified)	Each sponsoring organization appoints their representatives for 4-year terms; exception is that ASMT elects representatives. (Maximum tenure—two terms)
	American College of Radiology	2		
	American Society for Medical Technology	2		
	American Society of Clinical Pathologists	2		
	American Society of Radiologic Technologists	2		
	Society of Nuclear Medicine	4		
		12		
OCCUPATIONAL THERAPY Occupational Therapist	ACCREDITATION COMMITTEE American Occupational Therapy Association	15 (min.)	Appointed by chairperson, Standards and Ethics Commission, for 2 year term.	Appointed for a 3-year term by the chairperson from recommendations provided by the Commission on Practice, Commission on Education and the Executive Board of the AOTA, so as to accomplish the following: 1 (Chairperson) Appt. by chairperson, Standards and Ethics Comm. 4 selected by Commission on Practice 6 selected by Commission on Education 2 selected by Executive Board 2 selected by chairperson 15 (each may serve no more than 2 terms) 2 public members selected by Chairperson

Figure II-1—Summary of Procedures Used to Appoint Members to Review Committees

Occupational Area and Occupation	Review Committee and Collaborating Organizations	Committee Size	APPOINTMENT PROCEDURE	
			Chairperson–Term/Tenure	Committee Members–Term/Tenure
OPHTHALMIC MEDICAL ASSISTING Ophthalmic Medical Assistant	JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR THE OPHTHALMIC MEDICAL ASSISTANT		A member of the committee is selected by the board members	The presidential officers of AACAHPO and JCAHPO appoint their representatives.
	American Association of Certified Allied Health Personnel in Ophthalmology	1		
	Joint Commission on Allied Health Personnel in Ophthalmology	1		
PHYSICAL THERAPY Physical Therapist	JOINT REVIEW COMMITTEE FOR PHYSICAL THERAPY EDUCATION		A member of the committee elected for a 2-year term by the committee members. (May be reelected; maximum tenure of three consecutive 2-year terms)	Appointed for a 2-year term from moninations provided by the community of interests. (Maximum tenure of 6 years)
	National Association of Physical Therapists			
	United States Physical Therapy Association			
PHYSICIAN'S ASSISTANT Assistant to the Primary Care Physician Surgeon's Assistant	JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR PHYSICIAN'S ASSISTANTS		Elected by the Joint Review Committee for indefinite term.	Each sponsoring organization appoints their representatives for 3-year terms. Appointment are staggered so that 6 members are appointed each year. Individuals may be reappointed.
	American Academy of Family Physicians	3		
	American Academy of Pediatrics	3		
	American Academy of Physicians	3		
	Assistants Assistants	3		
	American College of Physicians	3		
	American College of Surgeons	3		
	American Society of Internal Medicine	3		
	Association of Physician Assistant Programs	21		
RADIOLOGY Radiation Therapy Technologist Radiographer	JOINT REVIEW COMMITTEE ON EDUCATION IN RADIOLOGIC TECHNOLOGY		Member of the committee elected for a 1-year term by the committee members. (May be reelected without limits)	Members appointed by their respective organizations for a 3-year term. (No maximum tenure specified) (May be reappointed; no maximum tenure)
	American College of Radiology	3		
	American Society of Radiologic Technologists	3		
		6		
RESPIRATORY THERAPY Respiratory Therapist Respiratory Therapy Technician	JOINT REVIEW COMMITTEE FOR RESPIRATORY THERAPY EDUCATION		A member of the committee elected for a 2-year term by the committee members. (May not be reelected)	AART representatives appointed by president for 4-year terms. (May be reappointed for 2nd term) ACCP representatives appointed by president for 5-year term after consultation with ACCP Committee on Respiratory Therapy. (No maximum tenure) ASA representatives appointed by president for 3-year term after consultation with ASA Committee on Respiratory Therapy. (Maximum tenure of 6 years) ATS representatives appointed by president for 3-year term after consultation with ATS Committee on Respiratory Therapy. (No maximum tenure)
	American Association for Respiratory Therapy	6		
	American College of Chest Physicians	2		
	American Society of Anesthesiologists	2		
	American Thoracic Society	2		
		12		

SPECIALIST IN BLOOD BANK TECHNOLOGY Specialist in Blood Bank Technology	SUBCOMMITTEE ON ACCREDITATION American Association of Blood Banks	18 (flexible)	Appointed by the president of AABB for indefinite term.	Appointed by AABB for indefinite term.
SURGICAL TECHNOLOGY Surgical Technologist (Operating Room Technician)	JOINT REVIEW COMMITTEE ON EDUCATION FOR THE OPERATING ROOM TECHNICIAN		Member of the committee is elected for a 2-year term by the committee members. (May be reelected)	The president or chief executive officer of each sponsoring organization appoints both the committee members and the alternates for an indefinite term.
	American College of Surgeons	1		
	American Hospital Association	1		
	Association of Surgical Technologists	1		
		3 + 3 alt.		

Figure II-2—Review Committees and Collaborating Organizations

OCCUPATIONAL AREA AND OCCUPATIONS	REVIEW COMMITTEE	COLLABORATING ORGANIZATIONS
CYTOTECHNOLOGY Cytotechnologist	Cytotechnology Programs Review Committee	American Medical Association American Society of Cytology
ELECTROENCEPHALOGRAPHY Electroencephalographic Technician Electroencephalographic Technologist	Joint Review Committee on Education in Electroencephalographic Technology	American Electroencephalographic Society American Medical Association American Medical Electroencephalographic Association American Society of Electroencepahlographic Technologists
EMERGENCY MEDICAL TECHNOLOGY Emergency Medical Technician-Paramedic	Joint Review Committee on Educational Programs for the EMT-Paramedic	American College of Emergency Physicians American College of Surgeons American Medical Association American Psychiatric Association American Society of Anesthesiologists National Association of Emergency Medical Technicians National Registry of Emergency Medical Technicians
MEDICAL ASSISTING Medical Assistant	Curriculum Review Board	American Association of Medical Assistants American Medical Association
MEDICAL ASSISTING-PEDIATRICS Medical Assistant in Pediatrics	Curriculum Review Board	American Academy of Pediatrics American Association of Medical Assistants American Medical Association
MEDICAL LABORATORY		
Histologic Technician	National Accrediting Agency for Clinical Laboratory Sciences and the Histologic Technician Review Committee	American Medical Association American Society for Medical Technology American Society for Microbiology American Society for Clinical Pathologists National Society for Histotechnology
Medical Laboratory Technician *(Associate Degree)* Medical Laboratory Technician *(Certificate)* Medical Technologist	National Accrediting Agency for Clinical Laboratory Sciences and the Medical Laboratory Technician-Associate Degree, Medical Laboratory Technician-Certificate, and Medical Technologist Review Committees	American Medical Association American Society for Medical Technology American Society for Microbiology American Society of Clinical Pathologists
MEDICAL RECORDS Medical Record Administrator Medical Record Technician	Education and Registration Committee	American Medical Association American Medical Record Association

Figure II-2—**Review Committees and Collaborating Organizations**

OCCUPATIONAL AREA AND OCCUPATIONS	REVIEW COMMITTEE	COLLABORATING ORGANIZATIONS
NUCLEAR MEDICINE Nuclear Medicine Technologist	Joint Review Committee on Educational Programs in Nuclear Medicine Technology	American College of Radiology American Medical Association American Society for Medical Technology American Society of Clinical-Pathologists American Society of Radiologic Technologists Society of Nuclear Medicine
OCCUPATIONAL THERAPY Occupational Therapist	Accreditation Committee	American Medical Association American Occupational Therapy Association
OPHTHALMIC MEDICAL ASSISTING Ophthalmic Medical Assistant	Joint Review Committee on Educational Programs for the Ophthalmic Medical Assistant	American Association of Certified Allied Health Personnel in Ophthalmology American Medical Association Joint Commission on Allied Health Personnel in Ophthalmology
PHYSICAL THERAPY Physical Therapist	Joint Review Committee for Physical Therapy Education	American Medical Association National Association of Physical Therapists United States Physical Therapy Association
PHYSICIAN'S ASSISTANT Assistant to the Primary Care Physician Surgeon's Assistant	Joint Review Committee on Educational Programs for Physician's Assistants	American Academy of Family Physicians American Academy of Pediatrics American Academy of Physician Assistants American College of Physicians American College of Surgeons American Medical Association American Society of Internal Medicine Association of Physician Assistant Programs
RADIOLOGY Radiation Therapy Technologists Radiographer	Joint Review Committee on Education in Radiologic Technology	American College of Radiology American Medical Association American Society of Radiologic Technologists
RESPIRATORY THERAPY Respiratory Therapist Respiratory Therapy Technician	Joint Review Committee for Respiratory Therapy Education	American Association for Respiratory Therapy American College of Chest Physicians American Medical Association American Society of Anesthesiologists American Thoracic Society
SPECIALIST IN BLOOD BANK TECHNOLOGY Specialist in Blood Bank Technology	Subcommittee on Accreditation	American Association of Blood Banks American Medical Association
SURGICAL TECHNOLOGY Surgical Technologist (Operating Room Technician)	Joint Review Committee on Education for the Operating Room Technician	American College of Surgeons American Hospital Association American Medical Association Association of Surgical Technologists

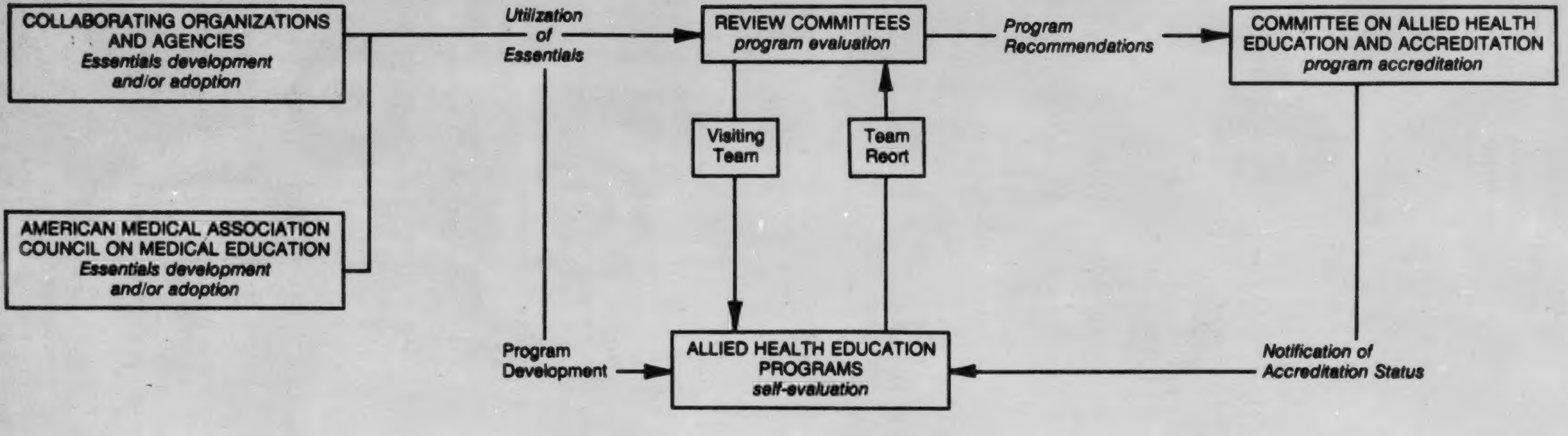
COLLABORATING ORGANIZATIONS AND AGENCIES
Essentials development and/or adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and/or adoption
Utilization of Essentials
REVIEW COMMITTEES
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation
Visiting Team
Team Reort
Program Development
ALLIED HEALTH EDUCATION PROGRAMS
self-evaluation
Notification of Accreditation Status

Figure II-3: **Organizational Relationships in Allied Health Educational Accreditation**

COLLABORATING ORGANIZATIONS—Allied health and/or medical specialty societies concerned with a particular allied health profession. Review drafts of *Essentials* prior to adoption.

COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION—Accredits allied health programs.

COUNCIL ON MEDICAL EDUCATION—Adopts *Essentials* for AMA.

ESSENTIALS—Documents that establish standards for accreditation of allied health education programs.

REVIEW COMMITTEES—Sponsored by collaborating organizations or agencies. Arrange on-site evaluations and review programs. Make recommendations concerning accreditation to the Committee on Allied Health Education and Accreditation.

III. EDUCATION AND TRAINING

Although it is recognized that the responsibilities of the Council on Medical Education include primary interest and concern in matters related to education involving the allied medical professions and services, the Council on Health Manpower* will consider the educational planning necessary to insure the continuity of the program and of the relationship of training requirements to related manpower categories.

A. A teaching program leading to a degree, diploma, certificate, or similar credentials is regarded as preferable from the standpoint of both the profession and the student. Horizontal and vertical mobility of the individual should be considered. Opportunities for future educational advancement should be indicated.

B. Total time involved in training a new type of allied health worker and cost per graduate should be compared with that for training a physician, with the view in mind that educating the individual as a physician might be considered a desirable alternative.

C. Supervised clinical training should be broad enough, under adequate direction, to assure the supervising physician the "assistant" is qualified to perform without excessive additional training by the employing physician.

D. The program should include a method of assuring the continued competence of the individual to provide quality health services.

E. Provision should be made for a highly competent individual to use "on the job experience" to move up the career ladder of responsible positions. Provision should also be made for recognition of this experience in lieu of educational prerequisites to registration or certification.

F. The curriculum should be broad enough to allow career flexibility for the student. Potential movement to other health fields should not be precluded by a highly specific curriculum.

G. Choice of educational setting should be related to information received under II-A.

H. Continuity of adequate funding should be assured. A successful program, advancing from the experimental pilot phase to an on-going basis, must anticipate termination of outside "project grant" funding, and have identified the appropriate sources of ongoing financial support.

I. A recruitment program should emphasize attracting people into the health occupations who otherwise would have sought employment in a non-health field.

IV. EMPLOYMENT

A. An appropriate compensation range and methods of remuneration should be at a level and of the type which will attract qualified people. They should be at least equivalent to those offered other occupations in the same geographic areas with a similar degree of education, experience and responsibility.

B. Substantiated employment opportunities are necessary. Figures should be available showing the number of persons completing this training who can be employed in the compensation range indicated. Ideally a listing of specific potential employers willing to employ an assistant should be available.

C. The geographic area of potential employment should relate to the area of greatest need, be it in rural, low income urban, or other areas.

V. PROFESSIONAL CERTIFICATION

Procedures for establishing competence to practice should provide individuals in the new occupation with appropriate recognition to assure geographic, educational, and career mobility. A program of certification with leadership provided by the relevant professions is preferred to licensure which tends to be restrictive. A democratic role in the certifying process should be structured for personnel in the health occupation being established.

VI. CAREER, EDUCATION, AND GEOGRAPHIC MOBILITY

A. Mobility within a discipline and between disciplines should be provided for. Two avenues for advancement in responsibility should be open:
   1. Advancement through practical experience and attainment of a high level of competence, and
   2. Academic achievement building on a foundation of previous educational attainment.

B. Provisions should be made, through a medium such as certification of competence, for interstate movement of individuals functioning in this new allied health field.

ESTABLISHING COLLABORATIVE RELATIONSHIPS

When the new allied health occupation has been formally recognized by the Council on Medical Education as an emerging health occupation, the Department of Allied Health Evaluation assists interested medical specialty and allied health organizations to achieve collaboration status, to write *Essentials* for adoption, to establish a review committee, and to do all that is necessary for accreditation of programs by CAHEA to be initiated. The statement "Procedures Governing Collaborative Relationships" (see Appendix B) discusses establishing a collaborative relationship with organizations for a new health occupation, for an established health profession whose educational programs are presently accredited by CAHEA, and for an established health profession whose educational programs are not presently accredited by CAHEA. Also described is the method for dissolving collaborative relationships, under both voluntary and involuntary circumstances. Once the collaborative relationship is established, the collaborating organization or organizations draft and most adopt *Essentials*.

Central Role of *Essentials* and Guidelines

ESSENTIALS

The word "*Essentials*" indicates the primary function of these documents in allied health education and accreditation. Although *Essentials* are defined quite simply as "the minimum accreditation standards for an educational program," their role throughout the development of educational programs and the process of accrediting such programs cannot be overestimated.

Developing and Adopting Essentials. Cooperating national professional allied health associations and medical specialty societies interested in the education and employment of allied health professionals may require two or more years to reach consensus on the minimum standards for an educational program. The full "community of interests" must be systematically provided with ample opportunities to review and respond to drafts of original *Essentials* and subsequent revisions. The complicated "Mechanism for Adopting and Revising *Essentials*" (see Appendix B) involves four major groups, each of which may be involved at various stages of developing, adopting, and revising *Essentials*.

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*The Council on Health Manpower was discharged in 1974. In 1977, the Council on Medical Education's Committee on Emerging Health Occupations was assigned these responsibilities.

- Collaborating Organizations. Organizations recognized as collaborators are involved in the development, adoption, and revision of *Essentials* through their individual organizations, through sponsorship of review committees, and through representation on the Panel of Consultants. Collaborating organizations work with staff of the Department of Allied Health Evaluation and with review committees to draft new *Essentials,* to distribute the drafts to solicit comment from the community of interests, and, to incorporate recommendations from responding groups or individuals. In either case, in order for the *Essentials* to become operable, they must be adopted by each collaborating organization, including the Council on Medical Education for the AMA. There is no established sequence for adoption of *Essentials* by the collaborating organizations; any one may be first or last.
- Review Committees. Although review committees are primarily involved in utilizing *Essentials* in reviewing programs seeking CAHEA accreditation, they are also involved in preparing drafts of proposals for revisions in *Essentials,* then submitting them to the sponsoring organizations, as noted. To formulate desirable revisions, review committees must be familiar with general accreditation concerns as well as with the concerns of the individual profession.
- CAHEA. As the umbrella agency responsible for coordinating accreditation activities for all allied health professions and occupations whose sponsoring national professional associations and societies have voluntarily sought collaboration with the medical profession, CAHEA is concerned with all phases of *Essentials* development and application. This concern culminates in a review of proposed *Essentials* (new or revised) and its advisory recommendation to the Council on Medical Education, which considers *Essentials* for adoption for the AMA.
- Council on Medical Education. The key roles performed by the Council on Medical Education on behalf of the American Medical Association are: (1) formal recognition of emerging allied health occupations; (2) formal recognition of collaborating organizations, both medical and allied health, which then sponsor review committees; and (3) adoption of *Essentials,* new or revised.

The first two roles are supported by special AMA staff personnel who work with representatives of emerging occupations and officers of organizations who petition for collaboration, in the preparation of information for Council deliberation and action. For the third role, the Council, through a subcommittee, conducts a public hearing after soliciting participation from the broad community of interests. Directly following this hearing, the Council deliberates regarding adoption.

Notification of Council hearings on new *Essentials* are sent, at least 30 days prior to the hearings, to collaborating organizations, review committees, appropriate AMA Section Councils, the Council on Postsecondary Education, the American Hospital Association, the American Society of Allied Health Professions, other appropriate national organizations, and other interested parties requesting notification, all of whom are also sent a copy of the *Essentials.* After appropriate review, the Council may either adopt the *Essentials* or, if changes are desirable, remit the entire document back to the sponsoring bodies or review committee for further revisions, which must then be approved by the groups that may have already adopted the earlier draft. An identical sequence may be followed by any collaborating organization; each must adopt before *Essentials* can be used by any.

***Recommended Standard Format for* Essentials.** Because of the complexity of the adoption process and because of the extensive variations existing among *Essentials* developed by divergent groups, CAHEA modified and updated the original *Standard Format* adopted in 1975 by the Council on Medical Education. CAHEA continues to strive for improvements in the Recommended Standard Format such as in self-analysis requirements, program sponsorship, competency-based education orientation, student evaluation, and in many other areas. As new *Essentials* are developed and as existing *Essentials* are revised, certain features of the Recommended Standard Format will be incorporated and others will be encouraged. The Standard Format is included in Appendix B of the *Directory.*

***Utilizing* Essentials.** Once adopted, the *Essentials* are utilized by all constituents involved in the accreditation process.

- *Potential applicants* use the *Essentials* to determine whether or not they have the resources and commitment to develop an accreditable program.
- *Programs involved in the accreditation process* use the *Essentials* for guidance in conducting their self-analysis and in writing the self-analysis report.
- *Site visitors* focus on the *Essentials* when determining the degree to which an educational program complies with minimum standards; specific *Essentials* are cited in cases of noncompliance.
- *Review Committees and CAHEA* use the *Essentials* in evaluating programs to determine the appropriate accreditation category.

GUIDELINES TO *ESSENTIALS*

Guidelines to *Essentials* are intentionally general to allow for flexibility and change in educational programs designed to meet diverse needs of professions characterized by continuous technological changes. Because the *Essentials* contain only general requirements to which an accredited program is held accountable, provision has been made for the development of a companion document, called Guidelines, to explain or clarify the *Essentials.* The Guidelines provide approximate numbers, descriptions, lists of qualifications, etc., to exemplify general modifiers such as "acceptable," "adequate," and "qualified." For the revision of existing *Essentials,* it is more likely that a review committee will draft the revision working with DAHE staff, then coordinate it with the collaborating sponsors and the various communities of interest.

Developing and Approving Guidelines. The following practices are currently being followed with regard to developing, reviewing, and approving Guidelines:

- Review Committee: The review committee develops Guidelines through a process that may include working conjointly with professional goups and presents them to CAHEA with a recommendation to approve.
- Collaborating Organizations: Collaborating organizations may be asked to cooperate in developing Guidelines. As indicated in "Differentiation between Guidelines and *Essentials*" (Appendix B), "Guidelines should be reviewed by units of the collaborating organizations other than the one responsible for directly applying the Guidelines to ensure that they explain the existing *Essentials* rather than state new ones."
- CAHEA: CAHEA reviews Guidelines for consistency of format and content with the *Essentials,* for verification that they do not go beyond the *Essentials,* and for compliance with relevant legislation. CAHEA then presents the Guidelines to the Council on Medical Education with its recommendations regarding approval.
- Council on Medical Education: The Council on Medical Education reviews the Guidelines for consistency of format and for assurance that they do not replace, extend, or add to *Essentials;* so finding, the Council then approves them.

Recommended Format for Guidelines. The Task Force that developed the Recommended Standard Format for *Essentials* is currently working on a similar document for Guidelines. In the meantime, review committees are advised to follow as closely as possible the current *Essentials* for educational programs, incorporating where possible elements from the Recommended Standard Format for *Essentials* if their *Essentials* are not in that format.

Utilizing Guidelines. Guidelines, which preferably appear in distinguishing typeface interspersed with *Essentials* (but which may be published separately), are used in conjunction with the *Essentials* by all of the constituents involved in the accreditation process (see "Utilization of *Essentials,*" above). They are particularly helpful to programs involved in self-analysis.

Program Review

APPLICATION FOR ACCREDITATION

Because accreditation by CAHEA is a voluntary process, evaluation of an allied health educational program is undertaken only with specific authorization from the chief executive officer of the sponsoring institution, who either requests or approves a request by submitting an application form to the Department of Allied Health Evaluation of the AMA. The application is followed by a program self-analysis which is also forwarded to the review committee by the program. A judgment is usually made at this point on whether the program is accreditable and whether it should be site-visited. Department of Allied Health Evaluation staff and/or review committee staff provide a great deal of consultation, through correspondence and telephone calls, in the early stages of submitting an application and the self-analysis and determining the appropriateness of seeking accreditation.

SELF-ANALYSIS

Ideally, ongoing internal review, analysis, and assessment of the entire gamut of educational operations, including ancillary services that contribute to accomplishing valid objectives, should be conducted by administrators, faculty, students, employers of graduates, and others identifiable as representing the "broad community of interests." This type of self-analysis (called self-study or self-evaluation by some review committees) is required of programs voluntarily requesting to be considered for accreditation by CAHEA. Materials provided to the program by the review committee guide the participants in conducting a comprehensive, systematic examination of the program within its institutional setting, a process usually requiring several months. These materials usually include an outline of the self-analysis (or self-study or self-evaluation), which is "keyed" to the *Essentials* and to the Guidelines (if available) to the *Essentials*. Some review committees also provide workshops on the self-analysis process.

SELF-ANALYSIS REPORT

The outline of the self-analysis provided by the review committee frequently contains specific instructions on how to prepare the self-analysis (or self-study or self-evaluation) report. General comments on the contents, sequence, presentation, and use of the self-analysis report are contained in "Self-Analysis Requirements" (Appendix B). Programs should be advised that, although a self-analysis is comprehensive, the report need contain only enough representative documentation to substantiate compliance with the *Essentials,* as clarified in the Guidelines. The report should also contain a qualitative self-assessment based on application of the *Essentials* and should conclude with anticipated changes to strengthen the program. The review committee may prepare a summary and/or critique of the self-analysis report, to be used first by the site visitors and later by the review committee at the meeting during which the program is considered for an accreditation recommendation.

SITE VISIT

After the self-analysis report has been evaluated, the program is visted by a team assembled by the review committee staff. The visit, which varies in length from one to four days depending upon the size and complexity of the program, is scheduled by the review committee for a mutually convenient time. Either a critique or summary of the self-analysis report, or the actual report, is supplied to the team members.

Team Composition. The composition of the team varies according to the approach of the review committee. Some review committees charge their representatives with gathering data on which the review committee can evaluate the compliance of the program with the *Essentials,* while other committees additionally charge their representatives with evaluating the evidence of the extent to which a program is in compliance. These varying approaches structure what is stated in the exit conference, but the general conduct of the visit is quite similar for both types of visitors. Both types of site visit teams usually include two or more of the following professionals: an allied health practitioner, an allied health educator, a practicing physician with special knowledge of the occupation, a practicing physician educator, a Department of Allied Health Evaluation or American Medical Association representative, a director of education of a similar program, a dean of an allied health school with similar programs, or other specialized professionals.

Site Visitor Training. The individual professions and the Committee on Allied Health Education and Accreditation conduct numerous single discipline and multidisciplinary workshops throughout the year to prepare site visitors. Many prospective site visitors attend an evaluator training workshop, at which they receive extensive orientation materials, and later serve as an observer on a site visit before they are scheduled to participate in examining educational, programmatic, and curriculum objectives; surveying sources, programs, administrative practices, institutional services, and facilities, and preparing written reports for consideration by the review committee.

Team Activities. Objectivity and impartiality are stressed throughout the orientation processes. In addition, the Post-Survey Questionnaire administered by the Department of Allied Health Evaluation and other evaluative mechanisms employed by individual review committees provide programs with an opportunity to comment on the manner in which team members conduct all activities involved in the survey. Such activities include

- preparing for the site visit by studying the self-analysis report in conjunction with the *Essentials* and review committee directions;
- conducting a pre-visit on-site meeting of team members regarding the facilities to be visited, the individuals to be interviewed, the reports and records to be reviewed, and additional information to be collected, as well as to determine which team members will be responsible for specific activities;
- meeting with and/or interviewing diverse individuals and groups, such as the chief executive officer(s) of the sponsoring institution, the administrator(s) of the educational program, instructors, students, and members of the admissions or advisory committees;

- performing specific functions designated in the pre-visit meeting;
- analyzing the results of the site visit;
- presenting findings, accompanied by references to specific *Essentials* if noncompliance is identified, during an exit summation with the chief executive officers, program administrators, and others as deemed appropriate by the site visitors and by the visited institution;
- providing institution and program officials with an opportunity to respond to the findings to correct misconceptions, inaccuracies, etc.; and
- writing a site visit report.

Ethical and Considerate Practices. While involved in any site visit activity, team members should observe the following ethical principles:

1. The principal purpose of accreditation is to promote sound education. In order to contribute to this goal, site visitors must approach their responsibilities constructively and objectively, without consideration of the size, reputation, etc., of the program being visited.
2. Site visitors should focus on collecting and assessing information regarding a program's relative compliance with the *Essentials.* Suggestions for improving the educational effort should be clearly labeled as topics for consideration rather than as official recommendations for correcting noncompliance with the *Essentials.* The site visitors report should reflect the focus of the visit and should not serve as a means of effecting minor reforms.
3. Site visitors must resist temptations to (1) identify potential personnel to be recruited for their own institutions; (2) declare or imply their availability as a potential employee or consultant for the institution or program being reviewed; or (3) accept gifts, favors, or services which may prejudice their professional judgment or lead the program to expect special consideration in interpreting compliance with the *Essentials.*
4. Good judgment and discretion must be used when site visitors discover or are informed of suspected policy deviation, negative attitudes toward the program or toward the institution sponsoring the program, etc. Review committee staff can advise on these and similar sensitive situations.

Team members should also be considerate in the following areas:

1. Sufficient time should be scheduled to comfortably satisfy all commitments of the visit; late arrivals and early departures should be avoided. Similarly, the evening prior to and the days and evenings scheduled for the visit should not include personal or social activities.
2. Site visitors should be very sensitive to their language, both when soliciting information and when giving opinions, and especially when discussing evaluative issues and conclusions regarding the program's compliance with the *Essentials.* Words with negative connotations should be avoided, as should reprimands and lecturing. When ascertaining how faculty, students and others perceive programmatic content and administrative and teaching policies and processes, site visitors should, through both verbal and nonverbal communication devices, make the persons to whom they are talking feel comfortable about discussing the relative strengths and areas of concern as well as what they contribute to or get from the program. If notes are taken during the interviews or discussions, they should be recorded inobtrusively to avoid interfering with comfortable rapport.

SITE VISIT REPORT

The site visit report resulting from the visit is submitted to the review committee, which sends a copy of the report or of the summary of the report to the chief executive officer of the sponsoring institution once again to provide an opportunity to correct misconceptions, inaccuracies, etc. The written materials provided to the institution should identify strengths and areas of concern and, if so directed by the review committee, recommendations for addressing the areas of concern. As during the exit conference, specific *Essentials* should be cited if noncompliance is identified. Most review committees specify the format and content of the site visit report.

REVIEW COMMITTEE EVALUATION

After the program has had adequate time to respond to factual content of the site visitors report or to a summary of that report, the program is placed on the agenda of the next regularly-scheduled review committee meeting. The review committee evaluates the degree of the program's compliance with the *Essentials* by studying the self-analysis report (or a summary provided by review committee staff) and the site visit report, accompanied by appropriate documentation. An appropriate accreditation or non-accreditation recommendation is formulated in accordance with the "Classification of Accreditation Actions" (Appendix B), and forwarded to CAHEA for final accreditation action.

CONFIDENTIALITY IN THE ACCREDITATION PROCESS

Meticulous efforts are made by components of the peer review process to maintain the confidentiality of information collected during the entire accreditation review. Printed materials, such as the self-analysis report and/or summary and the site visit report, are to be read only by members of the visiting team, the review committee, CAHEA and other authorized persons.

CAHEA considers the supporting documentation and final report to be the property of the sponsoring institution. While the program should feel at liberty to reveal the content of these documents, CAHEA would be reluctant to do so.

FEES FOR ACCREDITATION SERVICES

All participants share the costs of allied health accreditation. The American Medical Association pays all the costs for its participation: meetings of the Committee on Allied Health Education and Accreditation (CAHEA); travel expenses for physicians and others who serve as AMA representatives on evaluation teams making site visits; the work of the Department of Allied Health Evaluation; Council on Medical Education hearings for new or revised *Essentials;* etc. Collaborating organizations contribute financially to the review committees they sponsor, pay travel expenses for their representatives to attend meetings of the review committees they sponsor and CAHEA meetings, and conferences called by the U S Office of Education and Council on Postsecondary Accreditation. Institutions sponsoring accredited programs pay annual fees to the review committees for accreditation services, plus a fee for each site visit; and the institutions spend substantial amounts of time and money on the self-analyses required as background information for the evaluation teams. With some exceptions, the usual fee paid to review committees is $300 per on-site survey, $200 per program per year, and $25 per clinical teaching affiliate per year.

A statement of policy, "Fees for Accreditation Services", (Appendix B) describes the establishment and use of accreditation fees paid by applicant and accredited programs (and in some cases their clinical affiliates). See Figure II-4 for current fee assessments charge by review committees.

Figure II-4—**Fees for Accreditation Services Charged by Review Committees**

Occupation	Review Committee	Application Fee	Survey Visit	Annual Fee
Assistant to the Primary Care Physician	Joint Review Committee on Educational Programs for Physician's Assistants	$150 (annualized)		$200
Cytotechnologist	Cytotechnology Programs Review Committee of the American Society of Cytology			$200
Electroencephalographic Technician **Electroencephalographic Technologist**	Joint Review Committee on Education in Electroencephalographic Technology	$300		$200 + $25 for each affiliate
Emergency Medical Technician—Paramedic	Joint Review Committee on Educational Programs for the Emergency Medical Technician—Paramedic	–fee practices not yet established–		
Histologic Technician **Medical Laboratory Technician *(Certificate)*** **Medical Laboratory Technician *(Associate Degree)*** **Medical Technologist**	National Accrediting Agency for Clinical Laboratory Sciences	$300		$200 + $25 for each affiliate
Medical Assistant	Curriculum Review Board of the American Association of Medical Assistants	$300		$200
Medical Assistant in Pediatrics	Curriculum Review Board of the American Association of Medical Assistants	$300		$200
Medical Record Administrator **Medical Record Technician**	Education and Registration Committee of the American Medical Record Association	$300		$200
Nuclear Medicine Technologist	Joint Review Committee on Educational Programs in Nuclear Medicine Technology	$300		$200 + $25 for each affiliate
Occupational Therapist	Accreditation Committee of the American Occupational Therapy Association	$300		$200
Ophthalmic Medical Assistant	Joint Review Committee on Educational Programs for the Ophthalmic Medical Assistant	$300		$200
Physical Therapist	Review Committee for Physical Therapy Education		–no fees–	
Radiation Therapy Technologist **Radiographer**	Joint Review Committee on Education in Radiologic Technology	$500		$300 + $50 for each affiliate
Respiratory Therapist **Respiratory Therapy Technician**	Joint Review Committee for Respiratory Therapy Education	$300		$200 + $25 for each affiliate
Specialist in Blood Bank Technology	Committee on Education of the American Association of Blood Banks	–feeing petition in process–		
Surgical Technologist (Operating Room Technician)	Joint Review Committee on Education for the Surgical Technologist	$25	$250	$25

Accreditation by CAHEA

DETERMINING THE CATEGORY OF ACCREDITATION OR NON-ACCREDITATION

The recommendations formulated by the review committees as a result of the program review process described above are transmitted to the Department of Allied Health Evaluation for inclusion in the Committee on Allied Health Education and Accreditation (CAHEA) agenda book for consideration at CAHEA's next regularly scheduled meeting. Three subcommittees, to which CAHEA members are assigned without regard to specialties and with the public members rotating to serve on different subcommittees, spend as much time as necessary, usually a full day, in reviewing the submitted recommendations. Extensive documentation may be reviewed to ensure that the recommendations are clearly justified and reasonably consistent. Minor clarifications may be made by telephone to the review committee. If CAHEA does not accept the recommendation of the review committee, the committee is asked to consider CAHEA's reservations and reconsider the recommendation or submit additional rationale supporting the original recommendation.

The recommendations made by the review committees are based on their evaluation of the extent to which an educational program complies with the *Essentials*. Review committees may make recommendations in the following categories:

Accreditation: Provisional Accreditation (accreditation for new programs that have not yet graduated a class); Accreditation (initial accreditation for established programs that were not previously accredited; continuing Accreditation for programs that were previously accredited); Accreditation with Qualifications (for programs with deficiencies believed to be correctable but not in compliance with one or more *Essentials*); and Probationary Accreditation (for programs with substantial deficiencies that threaten the educational program).

Non-Accreditation: Accreditation Withheld (for programs that were not previously accredited) and Accreditation Withdrawn (for programs requesting to have their accreditation withdrawn and for programs that fail to comply with the administrative requirements of CAHEA).

For specific considerations used in determining the category of accreditation or non-accreditation, see "Classification of Accreditation Actions," Appendix B.

LETTER OF REVIEW FOR DEVELOPING PROGRAMS

Developing programs which are not yet operational and which may therefore not be assigned a status of Provisional Accreditation may request a "Letter of Review" from the appropriate review committee to demonstrate that they have satisfied a paper review by a voluntary accrediting agency. Although a Letter of Review neither indicates a preaccreditation status nor ensures eventual accreditation, it may be accepted by funding sources or by other bodies as an indication that the plans of the institution's proposed program indicate potential compliance with the established *Essentials*. Review committees determine whether or not they wish to utilize the Letter of Review for Developing Programs (Appendix B).

ADMINISTRATIVE REQUIREMENTS FOR MAINTAINING ACCREDITATION

Substantial noncompliance with the *Essentials* obviously endangers a program's accredited status, but accreditation may also be withdrawn from programs that are not responsive to administrative requirements. In order to maintain accreditation, programs must:

- Submit a Progress Report if required by CAHEA,
- Submit an annual report, and
- Undergo periodic reevaluation, including preparing a report based on a comprehensive self-analysis, and hosting a site visit, at least every five years.

Programs choosing not to submit an annual report or not to undergo periodic reevaluation, or failing to provide a required Progress Report, will have their accreditation withdrawn according to the due process procedures described in "Procedure to Be Followed in the Event that an Accredited Program Is Not Responsive to Administrative Requirements" (Appendix B).

ENSURING DUE PROCESS

In order to ensure due process for all parties involved in the accreditation and operation of allied health educational programs, CAHEA and the collaborating organizations and review committees with which it cooperates have disseminated clear descriptions of the rights of the parties involved and of their recourse should they feel that those rights have been violated. These descriptions appear in various places, such as *Essentials* and CAHEA procedure statements. Moreover, three procedure statements are exclusively concerned with due process.

Reconsideration of Decisions to Withhold or Withdraw Accreditation. Accreditation is withheld or withdrawn only after the chief executive officer of the sponsoring institution has been notified that such action is being contemplated and has been given the reasons for the negative recommendation. The notification to the chief executive officer also explains the procedure for requesting reconsideration of the decision to withhold or withdraw accreditation ("Procedures for Reconsideration of Accreditation Decisions of the Committee on Allied Health Education and Accreditation to Withhold or Withdraw Accreditation," Appendix B. These procedures include an interview with representatives of the review committee recommending the adverse action, after which the review committee has 30 days to issue a recommendation to CAHEA. If, on the basis of evidence of conditions existing at the time of the site visit and of information filed prior to the review committee's most recent review of the application, CAHEA decides to rescind the adverse decision, the institution is promptly notified. On the other hand, if CAHEA decides to sustain the adverse decision, the action is final, unless formally appealed. When notifying the institution of the decision and of the basis for that decision, CAHEA includes a copy of the "Appeals Hearing Procedure for Allied Health Programs Which Have Had Accreditation Withheld or Withdrawn by the Committee on Allied Health Education and Accreditation."

Complaints Regarding Accredited Programs. Recommendations to withhold or withdraw accreditation can emanate from a complaint as well as from the regular accreditation process. Complaints indicating that accredited programs or programs seeking accreditation may not be in substantial compliance with *Essentials*, may not be fulfilling administrative requirements for maintaining accreditation, or may not be following established accreditation policies, may be directed to CAHEA, the review committees, or the collaborating organizations. Major points of the "Procedure for Handling Complaints Regarding Accredited Programs" (Appendix B) include the following:

- Complaints must be submitted in writing and must be signed.
- Staff of CAHEA and of the review committee determine whether or not the complaint indicates noncompliance with an *Essential*, an administrative requirement, or an established accreditation policy.
- The confidentiality of the complaining party is respected.
- The complaining party, program official, and chief executive officer are kept appropriately informed.
- If review indicates possible noncompliance, the program may submit materials indicating that the condition has been corrected or the review committee may require a site visit to verify the correction.
- If the program fails to correct the situation which brought about the complaint related to noncompliance with an *Essential*, an administrative requirement or an established accreditation policy, the review committee may recommend a change in accreditation status to CAHEA.

The "Procedure for Handling Complaints" strongly emphasizes that CAHEA will not intervene on behalf of individuals or act as a court of appeal for faculty members or students in matters of admission, appointment, promotion, or dismissal.

The Committee on Allied Health Education and Accreditation makes publicly available its criteria or standards for accreditation, reports of its operations, and lists of accredited educational programs.

Accreditation Process for Individual Occupations

CYTOTECHNOLOGY

CYTOTECHNOLOGIST

Liaison for the Department of Allied Health Evaluation
John E. Beckley, PhD, Director, (312) 751-6272
Theresa D. Bennett, Program Assistant, (312) 751-6273

History: In the pioneer days of clinical pathology it was the rare pathologist who did not have a more or less highly trained person having little or no formal education working with him. This individual, now and in the past, has manual and mechanical dexterity, a basic quality for the laboratory worker. These first technical "assistants" were always the product of an apprentice-type of training.

Some of the earliest "assistants" to the pathologists working in cytology were those trained by Dr. George N. Papanicolaou, famed American anatomist and cytologist, who died in 1962. At first they were referred to as cytologic technicians and later as cytotechnologists.

As the number of cytotechnologists grew and the number of the "apprentice programs" grew, there was a need to certify that the "apprentices" had indeed learned their tasks well. The American Society of Clinical Pathologists' Board of Registry offered the examination for the cytology technician for the first time in 1957.

It was five years later, in 1962, that the *Essentials of an Acceptable School for the Cytotechnologist* were developed by the Cytology Committee of the ASCP and the ASCP Board of Schools and adopted by the House of Delegates of the AMA.

Until 1975 representatives of the American Society of Clinical Pathologists served on the cytotechnology review committee of the National Accrediting Agency for Clinical Laboratory Sciences, which replaced the ASCP Board of Schools in 1974.

In 1975, the American Society of Cytology was recognized as the organization which would collaborate with the AMA Council on Medical Education, and the ASC formed the Cytotechnology Programs Review Committee, which undertook NAACLS' responsibilities.

In 1977 the cytotechnology *Essentials* were revised and adopted by the AMA Council on Medical Education and the American Society of Cytology. New Guidelines were also developed and approved.

Essentials: *Essentials* are minimum educational standards developed and adopted in 1977 by the American Society of Cytology in collaboration with the American Medical Association. Each new program is assessed in accordance with the *Essentials*, and established programs are reviewed periodically to determine whether they continue to meet the standards. The *Essentials* with Guidelines appear in Appendix A of the *Directory*.

Application: Application forms and information on the application process for accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Two copies of completed application forms, signed by the chief administrator of the sponsoring institution and by the director of the educational program, as well as requested supplementary material, should be returned directly to the Department. A copy of all application materials is forwarded to the Cytotechnology Programs Review Committee of the American Society of Cytology.

Self-Analysis: After a program has submitted an application requesting consideration for CAHEA accreditation, the Cytotechnology Programs Review Committee assists the program in preparing a documented self-evaluation (based on the *Essentials* and Guidelines), which includes identification of strengths, weaknesses, and areas of concern. The Review Committee staff appraises the self-evaluation and then arranges for a site visit by a team which includes a qualified cytologist and cytotechnologist.

Program Review: The site visit report, which is submitted by the team, and additional relevant materials are reviewed by the Review Committee, which then makes an accreditation recommendation to the Committee on Allied Health Education and Accreditation. Review Committee members are appointed by the executive board of ASC and represent educators and practitioners in hospitals and university programs. An equal number of cytologists and cytotechnologists is maintained.

As of March 1979, the members of the Cytotechnology Programs Review Committee are:

Norma Arvold, MT(ASCP)
Madison, WI

Robert L. Ehrmann, MD
Brookline, MA

Shirley E. Greening, CT(ASCP)CFIAC
Miami, FL

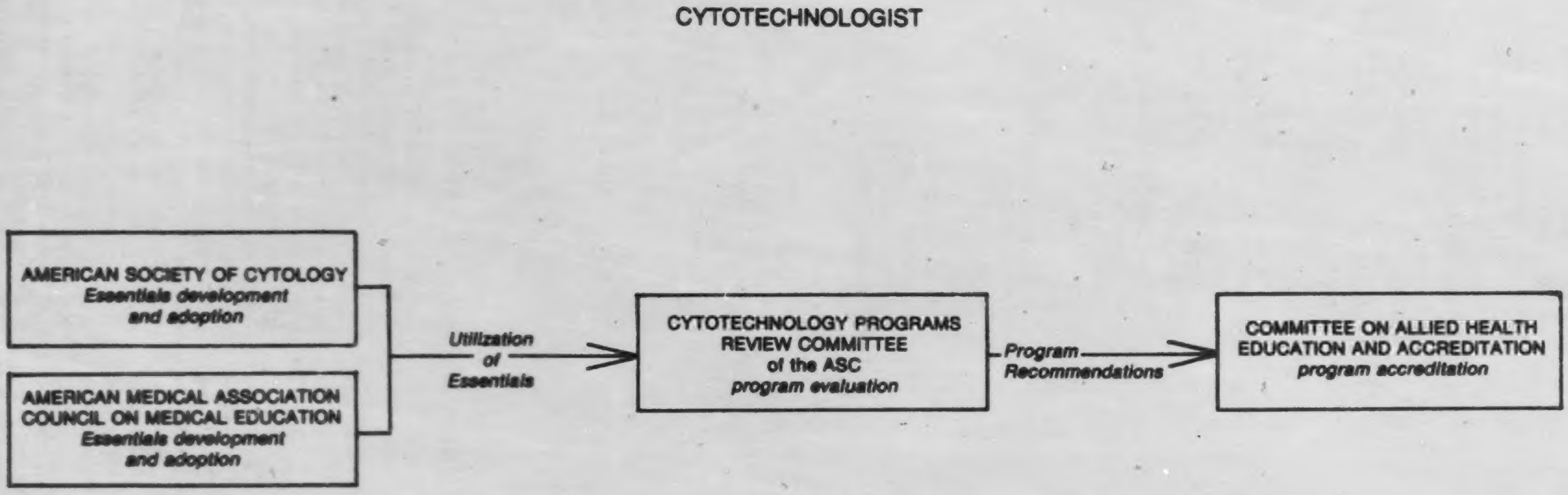

CYTOTECHNOLOGIST
AMERICAN SOCIETY OF CYTOLOGY
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
CYTOTECHNOLOGY PROGRAMS REVIEW COMMITTEE of the ASC
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II–5—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the cytotechnologist.

Lawrence K. Hussey, MD
South Bend, IN

Rhonda Karp, EdD, CT(ASCP)CMIAC
Philadelphia, PA

Elizabeth D. Ludolph, MT(ASCP)CT
San Antonio, TX

William M. Murphy, MD
Memphis, TN

Bernard Naylor, MD, *Chairman*
Ann Arbor, MI

Ruth S. Taylor, MD
Wichita, KS

Carole A. Williams, CT(ASCP)CMIAC
Los Angeles, CA

Accreditation: Recommendations of the Cytotechnology Programs Review Committee are evaluated by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs in substantial compliance with the *Essentials*. The appropriate officials of the institution sponsoring the program are informed by letter of CAHEA's accreditation decision.

Fees for Accreditation Services: The Cytotechnology Programs Review Committee assesses an annual fee of $175 from each sponsoring institution of an accredited educational program in cytotechnology. Assessment of such fees helps to defray the costs of administration and site visits. The American Medical Association does not participate in the collection of such fees or in the disbursement of the collected funds.

Maintaining Accreditation: To maintain accreditation, each program must complete and return the Annual Report form provided by the Department of Allied Health Evaluation. In addition, each program will be periodically reviewed by the Cytotechnology Programs Review Committee to determine whether or not it is maintaining substantial compliance with the *Essentials*. A program should be reviewed once every five years or more frequently, if so indicated in the accreditation decision, or if so warranted by postaccreditation circumstances. Programs review prepare a documented self-evaluation and undergo a site visit. The Review Committee evaluates the program materials and then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6272
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: John E. Beckley, PhD

*Cytotechnology Programs Review Committee
American Society of Cytology
Health Sciences Center
Suite 1006
130 S 9th St
Philadelphia, PA 19107
(215) WA-2-3880
Chairman: Bernard Naylor, MD
Program Coordinator: Nicholas R. Terico

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

American Society of Cytology
Health Sciences Center
Suite 1006
130 S 9th St
Philadelphia, PA 19107
(215) WA-2-3880
President: William J. Frable, MD
Member, CAHEA Panel of Consultants: Bernard Naylor, MD

ELECTROENCEPHALOGRAPHY

ELECTROENCEPHALOGRAPHIC TECHNICIAN
ELECTROENCEPHALOGRAPHIC TECHNOLOGIST

Liaison for the Department of Allied Health Evaluation
Charles E. McClinton, PhD, Assistant Director, (312) 751-6298
Sheryl A. Vallo, BS, Program Assistant, (312) 751-6271

History: The background of AMA involvement in the evaluation and accreditation of educational programs in electroencephalographic (EEG) technology began in 1972 with the recognition of EEG technology as an allied health profession by the AMA Council on Health Manpower. Subsequently, AMA staff worked with representatives of the professional organizations representing this clinical discipline to develop a draft of the *Essentials of an Accredited Educational Program for the Electroencephalographic Technologist.*

In 1973, representatives of the American EEG Society, American Medical EEG Association, and American Society of EEG Technologists presented statements supporting the *Essentials*, and the AMA House of Delegates considered and adopted the *Essentials* for entry level educational programs for both the EEG technician and technologist.

The Joint Review Committee on Education in Electroencephalographic Technology was established and held its initial meeting in September 1973. This review body is composed of eight members—four representing the American Society of EEG Technologists, and two representatives each from the American EEG Society and American Medical EEG Association. An equal number of alternate representatives has been identified to ensure full attendance at each meeting. Meetings are held twice annually. The committee develops recommendations on accreditation status of programs which are subsequently forwarded to the Committee on Allied Health Education and Accreditation for final action. The *Essentials* are currently under consideration for revision with a view toward possible removal of the stratified designation of "technician" and "technologist", and development of a single set of educational standards.

Essentials: *Essentials* are minimum educational standards developed by the Joint Review Committee on Education in

Electroencephalographic Technology in collaboration with the American Electroencephalographic Society, American Medical Electroencephalographic Association, American Society of Electroencephalographic Technologists and American Medical Association. Each new program is assessed for compliance with the *Essentials*, and accredited programs are reviewed periodically to determine whether they continue to meet the standards. Currently, there are separate *Essentials* for educational programs for the electroencephalographic technician and the electroencephalographic technologist. However, it is anticipated that these two sets of standards may emerge as a single document retaining only the EEG technologist designation. The *Essentials* and the Guidelines to the *Essentials* appear in Appendix A of the *Directory*.

Application: Applications for accreditation may be obtained from the Department of Allied Health Evaluation, AMA, 535 N Dearborn St, Chicago, IL 60610. All applications should be endorsed by the program director and the chief administrative officer of the sponsoring institution.

Self-Analysis: The process of completing the application for accreditation and self-study requires that the program faculty, administrative personnel, and students evaluate the program being conducted to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. One copy of completed application forms and the self-study, signed by the director of the educational program and administrator of the sponsoring institution, as well as requested supplementary material, should be returned to the Department of Allied Health Evaluation, AMA, 535 N Dearborn St, Chicago, IL 60610. Nine copies, along with a check for the application fee payable to the Joint Review Committee, should be returned to Sharyn Katz, R EEG T, 641 Hazelwood Rd, Ardmore, PA 19003.

Program Review: The Joint Review Committee arranges for on-site evaluation by a survey team which includes a qualified EEG technologist and electroencephalographer. The survey report and supplementary materials are reviewed by the Joint Review Committee and an appropriate accreditation recommendation is made to the Committee on Allied Health Education and Accreditation.

The members of the Joint Review Committee on Education in Electroencephalographic Technology are:

American Electroencephalographic Society
C. W. Erwin, MD
Durham, NC

John R. Knott, PhD
Quincy, MA

American Medical Electroencephalographic Association
Merton L. Ekwall, MD
Tallahassee, FL

Robert P. Jeub, MD
Minneapolis, MN

American Society of Electroencephalographic Technologists
Sharyn S. Katz, R EEG T, *Chairperson*
Ardmore, PA

George H. Klem, R EEG T
Cleveland, OH

Mary Jo Martin, R EEG T
Augusta, GA

Lila Snodgrass, R EEG T
Gainesville, FL

Accreditation: Recommendations of the Joint Review Committee on Education in Electroencephalography Technology are considered by the Committee on Allied Health Education and Accreditation. The Committee grants accreditation to those programs meeting or exceeding established standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: The Joint Review Committee on Education in Electroencephalographic Technology assesses a $300 initial fee ($50 nonrefundable) which must accompany the completed application, and which includes initial site visit evaluation. An annual fee of $200 is assessed in subsequent years following determination of accreditation status. A fee of $300 is charged for each periodic on-site resurvey.

Assessment of such fees is intended to provide financial support in defraying the cost of site visit evaluation of educational programs. The Committee on Allied Health Education and Accreditation does not participate in the collection of such fees nor disbursement of funds collected for this purpose.

Maintaining Accreditation: To remain accredited, each program must be periodically reevaluated to determine whether it is maintaining compliance with the *Essentials*. The initial evaluative process is repeated whereby the program completes a self-study for renewal of accreditation, is resurveyed, and the on-site report and supporting materials are evaluated by the Joint Review Committee. The review committee then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation. Programs are resurveyed once every five years or more frequently, if indicated.

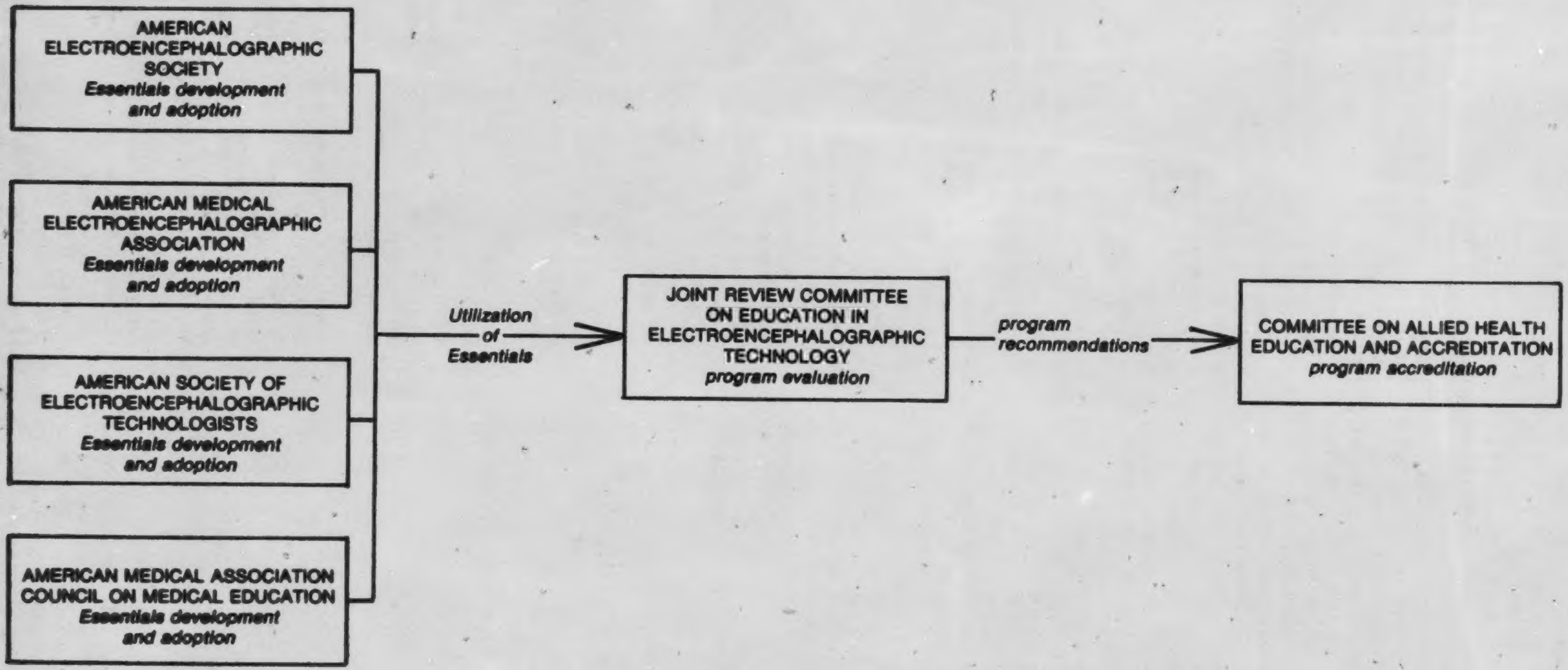
Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6298
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Charles E. McClinton, PhD

*Joint Review Committee on Education in Electroencephalography
Sharyn S. Katz, R EEG T
641 Hazelwood Rd
Ardmore, PA 19003
(215) 642-5231

American Electroencephalographic Society
38238 Glen Ave
Willoughby, OH 44094
(216) 942-9267
President: Pierre Gloor, MD
Executive Secretary: Margaret H. Henry
Member, CAHEA Panel of Consultants: C. W. Erwin, MD

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD


ELECTROENCEPHALOGRAPHIC TECHNICIAN
ELECTROENCEPHALOGRAPHIC TECHNOLOGIST

AMERICAN ELECTROENCEPHALOGRAPHIC SOCIETY
Essentials development and adoption
AMERICAN MEDICAL ELECTROENCEPHALOGRAPHIC ASSOCIATION
Essentials development and adoption
AMERICAN SOCIETY OF ELECTROENCEPHALOGRAPHIC TECHNOLOGISTS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE ON EDUCATION IN ELECTROENCEPHALOGRAPHIC TECHNOLOGY
program evaluation
program recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II–6—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the electroencephalographic technician and technologist.

American Medical Electroencephalographic Association
850 Elm Grove Rd, Suite 11
Elm Grove, WI 53122
President: Frederic A. Gibbs, MD
Executive Secretary: Robert H. Herzog
Member, CAHEA Panel of Consultants: John S. Garvin, MD

*American Society of Electroencephalographic Technologists
32500 Grand River Ave, Suite 103
Farmington, MI 48024
(313) 476-6899
President: Patricia Ramsay, R EEG T
Executive Secretary: Janet Brotherhood, R EEG T
Member, CAHEA Panel of Consultants: Sharyn S. Katz, R EEG T

EMERGENCY MEDICAL TECHNOLOGY

EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC

Liaison for the Department of Allied Health Evaluation
Robert B. Parks, PhD, Assistant Director, (312) 751-6297
Betty Jones, Program Assistant, (312) 751-6274

History: The development of educational standards for the EMT-Paramedic began with a forum for representatives of over 30 professional organizations and agencies called by the American Medical Association in May of 1976. In the following month an ad hoc task group formulated an initial draft of minimum acceptable standards—*Essentials*—for the education and training of the EMT-Paramedic and submitted it to participants of the May forum for review and comment. A second draft reflecting these comments was prepared and distributed for consideration at another forum held in Boston in November, 1976. The third draft of proposed *Essentials* resulted from that meeting and was distributed widely in March, 1977 to the organizations which had contributed to their development, to recognized educators of EMT-Paramedics, and to others who had been identified as having a vested interest in this subject. The following September, another mailing was made to all potential sponsors of the proposed accreditation program to determine if or when their organization would have a formal position on the proposal. By the end of 1977 seven organizations had given notice of their interest in becoming sponsors of a national accreditation program for EMT-Paramedic education. These organizations included the American College of Emergency Physicians, American College of Surgeons, American Heart Association, American Psychiatric Association, American Society of Anesthesiologists, National Association of Emergency Medical Technicians and National Registry of Emergency Medical Technicians.

The fifth draft of the proposed *Essentials* was distributed widely to national organizations, educators and others for final review and comment during July, 1978. The AMA Council on Medical Education held public hearings on the proposed minimum standards for EMT-Paramedic education during August. On the basis of this review, the Council subsequently adopted the proposed *Essentials* on behalf of the American Medical Association in September 1978. During the following six months the *Essentials* were endorsed by the American College of Emergency Physicians, American College of Surgeons, American Psychiatric Association, American Society of Anesthesiologists, National Association of Emergency Medical Technicians, and National Registry of Emergency Medical Technicians.

Beginning in February 1978, the latter named organizations supported another ad hoc task force for the purpose of developing the necessary policies, procedures and documents to support the proposed new accreditation effort. In April 1979 this task force became the Joint Review Committee on Educational Programs for the Emergency Medical Technician-Paramedic.

It is anticipated that planning will be finalized and all necessary approvals acquired for operational aspects of the accreditation effort no later than the fall of 1979.

Essentials: The *Essentials of an Accredited Educational Program for the Emergency Medical Technician—Paramedic* are minimum acceptable standards which were adopted in 1978 by the American College of Emergency Physicians, American College of Surgeons, American Psychiatric Association, American Society of Anesthesiologists, National Association of Emergency Medical Technicians, National Registry of Emergency Medical Technicians, and American Medical Association. Applicant programs which seek initial and continuing accreditation are assessed for their relative compliance with these standards. The *Essentials* appear in Appendix A of the *Directory*.

Application: Application forms for program accreditation and information on the application process of the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Seven copies of the completed application form and of the supporting information are to be sent to the Department of Allied Health Evaluation. All copies should include signatures of the chief administrative officer of the program's sponsoring institution, the program director and the program medical director. Each copy of the application serves a purpose: the original is placed in the official archives of CAHEA, three copies are used by those who conduct the on-site evaluation of the program, two copies are used by members of the Joint Review Committee, and one functions as a working reference copy for staff. In addition, a single copy of another completed one-page form is required.

Self-Analysis: Programs applying for initial and continuing accreditation are required to provide evidence of having conducted a qualitative self-analysis of their purpose, objectives, curriculum, resources, and policies and procedures relating to faculty, student, applicant and graduate evaluation. In the event that documentation of the self-analysis process and results have been or are being prepared as a part of a larger study for the sponsoring institution's application for recognition from a regional accreditation agency, this documentation would most likely be acceptable to the Joint Review Committee. Contact should be made with the Executive Secretary of the Joint Review Committee to determine the acceptability of such a report.

The self-analysis process should involve a representative number of the program's administrative staff, teaching faculty, students, graduates, advisors, staff of the sponsoring institution and other constituencies. In fulfilling this requirement, programs are to provide a synopsis which states when the formal self-analysis was initiated, the method by which it was conducted, and a synopsis of the findings, conclusions and future plans. In the event the formalized self-analysis is in process, an interim report should be submitted with a declaration of intent to file, upon its conclusion, a synopsis of the completed report with the Joint Review Committee. Should a program's self-analysis be in preparation for a regional accreditation evaluation of the institution that is scheduled for the coming year, applicants should contact the Joint Review Committee's Executive Secretary to discuss the options which may be exercised in lieu of preparing a separate report.

Program Review: After an application and its supporting information and the self-analysis report are reviewed by staff of the AMA Department of Allied Health Evaluation for appropriate signatures, they are transmitted to the Executive Secretary of the Joint Review Committee for further review. Upon favorable review, the Secretary arranges with the program's administration for mutually convenient dates for an on-site evaluation of the applicant program and appoints a team of three individuals to conduct the evaluation. The team is composed of an EMT-Paramedic, a physician, and another individual who is experienced or knowledgeable in emergency medical services.

The purpose of the on-site evaluation is to assess the extent to which the applicant program meets or exceeds the *Essentials.* A written report of on-site evaluation is prepared by the evaluators before their presentation of an oral statement of their findings at the conclusion of the on-site evaluation schedule. Subsequently, a written summary of the report is shared with the applicant program and its sponsor for review and comment before consideration of the program's application by the Joint Review Committee.

Two members of the Joint Review Committee conduct an indepth review of the application, the report of the on-site evaluation, and all additional documentation acquired during and following the evaluation, and then present to the full-committee-in-meeting their evaluations of the program's relative compliance with the *Essentials.* The committee determines the extend to which the applicant program merits accreditation and formulates an appropriate recommendation for action by CAHEA.

The members of the Joint Review Committee on Educational Programs for the EMT-Paramedic are:

Joseph E. Acker, III, MPH, EMT-P
Nashville, TN

Gail M. Barton, MD, MPH
Ann Arbor, MI

Col. Clotilde D. Bowen, MD, FAPM
Denver, CO

Stephen A. Frew, JD, REMTA
Rockland, IL

Joseph C. Gabel, MD
Galveston, TX

Jeffrey S. Harris, REMTA, *Executive Secretary*
Newton Highlands, MA

Alexander C. Hering, MD
Chicago, IL

David B. Hill, Jr.
Elmhurst, IL

Norman E. McSwain, MD, FACS, *Chairman*
New Orleans, LA

Paul S. Mesnick, MD
Chicago, IL

Rocco V. Morando, REMTA
Columbus, OH

Robert A. VanTyne, MD
St. Paul, MN

Marvin A. Wayne, MD
Bellingham, WA

Accreditation: CAHEA grants accreditation to programs which it considers to be in compliance with the *Essentials.* The recommendation of the Joint Review Committee is returned for further consideration should CAHEA question it. The chief executive officer of the institution sponsoring the applicant program, and other principal administrators are informed of the CAHEA accreditation decision in writing.

Fees for Accreditation Services: The Joint Review Committee intends to petition CAHEA to approve the following fee schedule: (1) an on-site evaluation fee of $300, payable before an evaluation is scheduled; and (2) an annual assessment fee of $200 for those years in which there is no on-site evaluation scheduled. It should be understood that these monies are to be used principally for the purpose of underwriting the expenses of on-site evaluators. On-site evaluators serve without honoraria. The sponsoring organizations of the Joint Review Committee underwrite the expense of their representatives' participation in the committee and contribute an annual fund to cover other expenses, such as those incurred in the work relating to standards for recognition of national accrediting agencies and to cover deficits incurred in the conduct of on-site evaluations. CAHEA and its several review bodies maintain agency standards which are in compliance with criteria established for such agencies by the US Office of Education and the Council on Postsecondary Accreditation. The AMA contributes liaison staff support to the Joint Review Committee and underwrites the cost of its staffs' participation in on-site evaluations. Payment of fees should be made by check and be written to the order of the Joint Review Committee on Educational Programs for the EMT-Paramedic. Checks should be accompanied by a letter stating the amount of the payment and the date and number of the check. Both should be sent to the attention of the Executive Secretary of the committee, Mr. Jeffrey Harris, c/o The National Association of Emergency Medical Technicians, PO Box 405, Newton Highlands, MA 02161 (617) 894-7179.

Maintaining Accreditation: Each year, accredited programs receive the AMA Department of Allied Health Evaluation Annual Report which is a form whose completion and return by the designated date is required to avoid jeopardizing the program's accreditation status. Accredited programs are reviewed for continuing compliance with *Essentials* at least every five years by the Joint Review Committee and CAHEA.

Participating Organizations: The following organizations are involved in the accreditation process. Included is the Department of Allied Health Evaluation of the American Medical Association as the liaison between programs, review committees, collaborating organizations and the Committee on Allied Health Education and Accreditation; the review committee; and the collaborating organization(s). The organizations with asterisks by their names may be contacted for further information. Other organizations and individuals involved in the accreditation process are listed in Appendix D. Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6297
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Robert B. Parks, PhD

*Joint Review Committee on Educational Programs for the EMT-Paramedic
PO Box 405
Newton Highlands, MA 02161
(617) 894-7179
Executive Secretary: Jeffrey S. Harris, REMTA
Chairman: Norman E. McSwain, Jr, MD FACS

American College of Emergency Physicians
3900 Capital City Boulevard
Lansing, MI 48906
(517) 321-7911

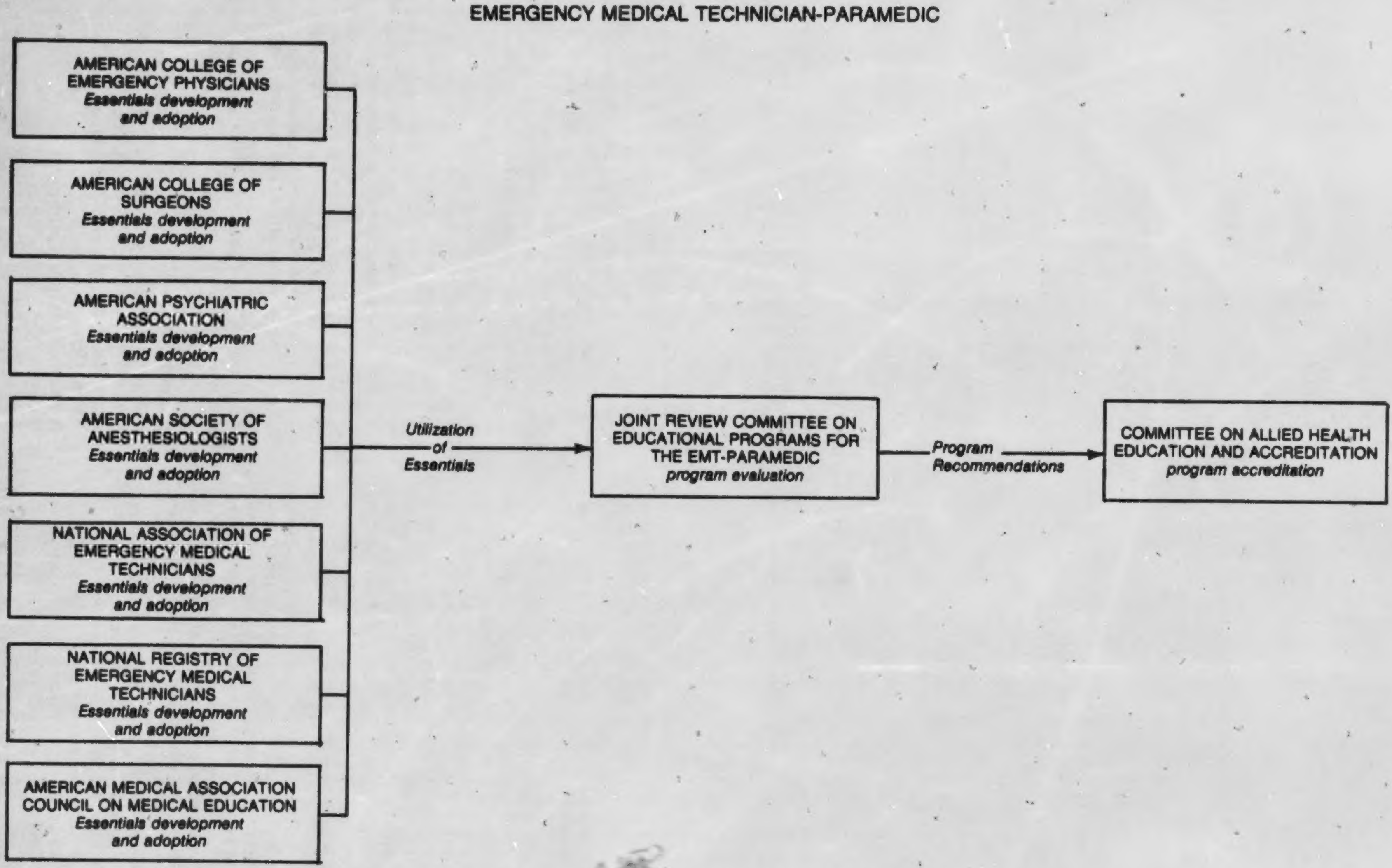

EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC
AMERICAN COLLEGE OF EMERGENCY PHYSICIANS
Essentials development and adoption
AMERICAN COLLEGE OF SURGEONS
Essentials development and adoption
AMERICAN PSYCHIATRIC ASSOCIATION
Essentials development and adoption
AMERICAN SOCIETY OF ANESTHESIOLOGISTS
Essentials development and adoption
NATIONAL ASSOCIATION OF EMERGENCY MEDICAL TECHNICIANS
Essentials development and adoption
NATIONAL REGISTRY OF EMERGENCY MEDICAL TECHNICIANS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR THE EMT-PARAMEDIC
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II–7—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the EMT-Paramedic

President: George Podgorny, MD
Executive Director: Arthur Auer
Member, CAHEA Panel of Consultants: (Vacancy)

American College of Surgeons
55 East Erie St
Chicago, IL 60611
(312) 664-4050
Executive Director: C. Rollins Hanlon, MD, FACS
Member, CAHEA Panel of Consultants: Charles G. Halgrimson, MD

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

American Psychiatric Association
1700 Eighteenth St, NW
Washington, DC 20009
(202) 797-4900
President: Jules H. Masserman, MD
Medical Director: Melvin Sabshin, MD
Member, CAHEA Panel of Consultants: (Vacancy)

American Society of Anesthesiologists
515 Busse Highway
Park Ridge, IL 60068
(312) 825-5586
President: Jess Bernard Weiss, MD
Executive Director: John W. Andes
Member, CAHEA Panel of Consultants: L. Donald Bridenbaugh, Jr, MD

*National Association of Emergency Medical Technicians
PO Box 334
Newton Highlands, MA 02161
(617) 894-7179
President: Stephen A. Frew, MD, REMTA
Executive Director: Jeffrey S. Harris, REMTA
Member, CAHEA Panel of Consultants: (Vacancy)

*National Registry of Emergency Medical Technicians
PO Box 29233
Columbus, OH 43229
(614) 888-4484
Chairman: David B. Hill, Jr, AMSAA
Executive Director: Rocco V. Morando
Member, CAHEA Panel of Consultants: (Vacancy)

MEDICAL ASSISTING

MEDICAL ASSISTANT

Liaison for the Department of Allied Health Evaluation
Wallace G. Clark Jr., EdD, Assistant Director,
(312) 751-6269
Lorraine Parker, Program Assistant, (312) 751-6277

History: Since its founding in 1956, the American Association of Medical Assistants (AAMA) has been the only professional association devoted exclusively to the career of medical assisting. The AMA, an early supporter of AAMA, still provides assistance in recognition of the fact that AAMA serves an important role in improving the educational preparation and continuing education opportunities for the medical assistant.

The first certification examination was adminstered in 1963, preceding the establishment of the accreditation program. In 1966 AAMA began work on formal curriculum standards in collaboration with AMA. A task force of physicians and medical assistants surveyed existing medical assistant programs and drew up tentative standards which were adopted in 1969. About three years were spent in laying a solid groundwork for a two-year associate degree program. In 1971, after two years of actual accreditation actitivy, the initial standards were revised to allow for the accreditation of one-year educational programs.

Essentials: *Essentials* are minimum educational standards developed by the American Association of Medical Assistants in collaboration with the American Medical Association. Each new program is assessed in accordance with *Essentials,* and accredited programs are reviewed periodically to determine whether or not they remain in substantial compliance. The latest revision of *Essentials* was made in 1977. The *Essentials* and Guidelines to the *Essentials* appear in Appendix A.

Application: Application forms and information on the application process for accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610.

Self-Analysis: The process of completing the application for CAHEA accreditation requires that the program faculty, administrative personnel, and students evaluate the program being conducted to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the survey team in preparation for the on-site evaluation.

Program Review: Five copies of the completed application forms, signed by the chief administrative officer of the institution and the program director, as well as requested supplementary materials, should be returned directly to the Department of Allied Health Evaluation for staff review. Four copies of all application materials are then forwarded to the Curriculum Review Board of the American Association of Medical Assistants whose members are appointed by the American Association of Medical Assistants' Endowment and includes four medical assistants, two educators representing the public and private institutions respectively, and a physician.

If the information provided by the sponsoring institution indicates that the program is ready for an on-site evaluation, the Curriculum Review Board informs the institution and the AAMA staff schedules the visit in cooperation with the institution. The survey team consists of representatives of the AAMA Curriculum Review Board and the American Medical Association. The survey report and supplementary materials are reviewed by the AAMA Curriculum Review Board and an appropriate accreditation recommendation is made to the Committee on Allied Health Education and Accreditation.

As of June 1979, the members of the Curriculum Review Board are:

Betty Baldwin
Evansville, IN

Martha C. George, RN, CMA-C
Corpus Christi, TX

Laura L. Lockhart, CMA-AC
Akron, OH

Ivy Reade CMA-AC, *Chairman*
Brooklyn, NY

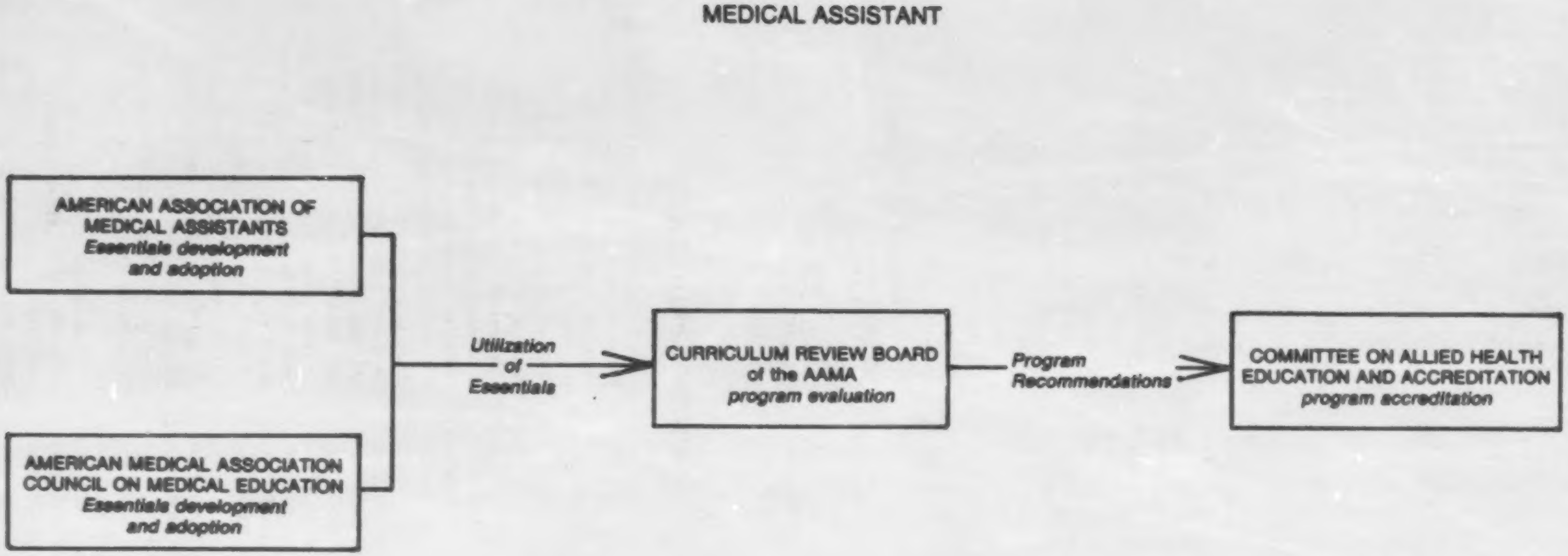

MEDICAL ASSISTANT
AMERICAN ASSOCIATION OF MEDICAL ASSISTANTS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
CURRICULUM REVIEW BOARD of the AAMA
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-8—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the medical assistant.

Louis A. Reibling, PhD
Belleville, IL
William Stuckey, BS
Omaha, NB
Lowell J. Thomas, MD
Indianapolis, IN

Accreditation: Recommendations of the Curriculum Review Board are reviewed by the Committee on Allied Health Education and Accreditation. The Committee grants accreditation to those programs meeting the standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: To help defray the costs of the on-site evaluation, the American Association of Medical Assistants charges the institution or the educational program being evaluated a $300 on-site evaluation fee, and a $200 annual fee. Other expenses related to review committee meetings and other aspects of the accreditation process are borne by the collaborating organizations through budgeted funds and grants.

Maintaining Accreditation: To remain accredited, each program must be periodically reevaluated to determine whether it is maintaining compliance with the *Essentials*. The program completes an application for renewal of accreditation, is resurveyed, and the on-site report and supporting materials are evaluated by the Curriculum Review Board. The Curriculum Review Board then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation. A program should be resurveyed once every five years or more frequently, if indicated.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6269
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Wallace G. Clark, Jr., EdD

*Curriculum Review Board
One E Wacker Dr, Suite 2110
Chicago, IL 60601
(312) 944-2722
Chairman: Ivy Reade, CMA-AC
Professional Staff Associate: Nancy Roadcap

*American Association of Medical Assistants
One E Wacker Dr, Suite 2110
Chicago, IL 60601
(312) 944-2722
President: Wini Schwartz, CMA-A
Executive Director: Dene R. Murray, CAE
Member, CAHEA Panel of Consultants: Ivy Reade, CMA-AC

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

MEDICAL ASSISTING-PEDIATRICS

MEDICAL ASSISTANT IN PEDIATRICS

Liaison for the Department of Allied Health Evaluation
Wallace G. Clark Jr., EdD, Assistant Director, (312) 751-6269
Lorraine Parker, Program Assistant, (312) 751-6277

History: During 1969–70, a series of meetings were held with representatives of the American Association of Medical Assistants (AAMA) and various medical specialty groups to explore the need for and the feasibility of developing educational programs for specialized medical assistants, which could build upon the already established educational requirements for the medical assistant-generalist. If such programs could be accommodated within the established medical assistant curriculum, an avenue for career mobility would be provided to medical assistants and medical assistant students who would elect to acquire specialized knowledge and skills. This type of cooperative planning would prevent duplicating accreditation and certification efforts.

In 1970, following a number of regional conferences on the delivery of health care to children, the American Academy of Pediatrics (AAP) determined both that there was a need for a specially trained medical assistant in pediatrics and that education programs could be developed using the established medical assistant core curriculum as a base. During 1970–71, the AAP, the AAMA, and the AMA worked together to establish mutually satisfactory criteria. In June 1972, the same groups adopted the Essentials of an Approved Educational Program for Medical Assistant in Pediatrics.

In 1978 the Joint Review Board for the Medical Assistant in Pediatrics discontinued its functions as the review committee for educational programs for the medical assistant in pediatrics. In 1979 the Curriculum Review Board assumed the review committee's functions following approval by the Council on Medical Education in March 1979.

Essentials: *Essentials* are minimum educational standards developed by the American Academy of Pediatrics and the American Association of Medical Assistants in collaboration with American Medical Association. Each new program is assessed in accordance with the *Essentials*, and accredited programs are reviewed periodically to determine whether or not they remain substantial compliance. The *Essentials* appear in Appendix A of the *Directory*.

Application: Application forms and information on the application process for accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Completed application forms, signed by the chief administrator of the sponsoring institution and by the director of the educational program, should be returned to the appropriate office as requested on the application materials.

Self-Analysis: The process of completing the application/self-study for CAHEA-accreditation requires that the program faculty, administrative personnel and students evaluate the program to identify areas of strength and weakness and to ensure that the program contains those elements considered

MEDICAL ASSISTANT IN PEDIATRICS

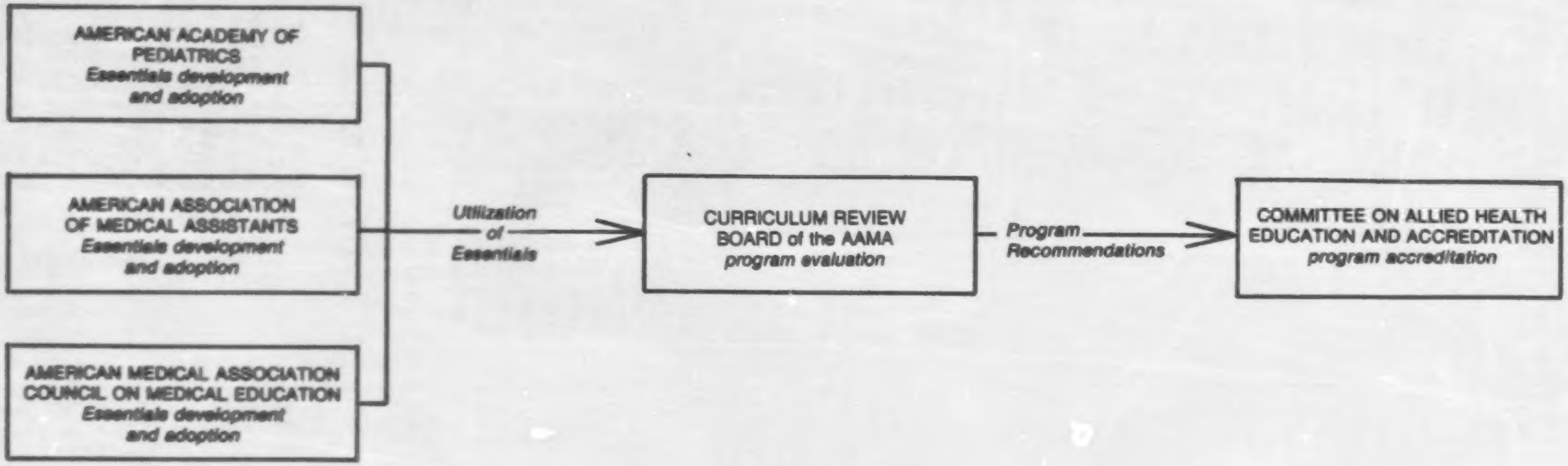

AMERICAN ACADEMY OF PEDIATRICS
Essentials development and adoption
AMERICAN ASSOCIATION OF MEDICAL ASSISTANTS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
CURRICULUM REVIEW BOARD of the AAMA
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-9—Roles and responsibilities involved in the accreditation process for educational programs for the medical assistant in pediatrics.

essential. This information is used by the survey team in preparation for the on-site evaluation.

Program Review: Once the program has filed an application with the Department of Allied Health Evaluation and submitted copies of the self-study report to the Curriculum Review Board of the American Association of Medical Assistants, the Curriculum Review Board examines the report with respect to the *Essentials.* The Curriculum Review Board makes arrangements for a survey team to make an on-site evaluation of the program. The survey report and supplementary materials are reviewed by the program review committee and appropriate accreditation recommendation is made to the Committee on Allied Health Education and Accreditation.

As of June 1979, the members of the Curriculum Review Board are:

Bettye J. Baldwin
Evansville, IN

Martha C. George, RN, CMA-AC
Corpus Christi, TX

Laura L. Lockhart, CMA-AC
Akron, OH

Ivy Reade, CMA-AC, *Chairman*
Brooklyn, NY

Louis A. Reibling, PHD
Belleville, IL

William Stuckey, BS
Omaha, NB

Accreditation: Recommendations of the Curriculum Review Board are reviewed by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs meeting the standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: The American Association of Medical Assistants assesses an initial or resurvey fee of $300 and an annual fee of $200 to each accredited educational program.

Maintaining Accreditation: To maintain accreditation, each program must complete and return the Annual Report form provided by the Department of Allied Health Evaluation. In addition, each program will be periodically reviewed by the Curriculum Review Board to determine whether or not it is maintaining substantial compliance with the *Essentials.* A program should be reviewed once every five years or more frequently, if so indicated in the accreditation decision or if so warranted by post-accreditation circumstances. Programs undergoing review prepare a documented self-evaluation and go through a site visit. The Board evaluates the program materials and then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6269
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Wallace G. Clark Jr., EdD

*Curriculum Review Board
One E Wacker Dr, Suite 2110
Chicago, IL 60601
(312) 944-2722
Chairman: Ivy Reade, CMA-AC
Professional Staff Associate: Nancy Roadcap

American Academy of Pediatrics
1801 Hinman Ave
Evanston, IL 60204
(312) 869-4255
President: Edwin L. Kendig, Jr., MD
Executive Director: Robert G. Frazier, MD
Member, CAHEA Panel of Consultants: Lawrence Kahn, MD

*American Association of Medical Assistants
One E Wacker Dr, Suite 2110
Chicago, IL 60601
(312) 944-2722
President: Wini Schwartz, CMA-A
Executive Director: Dene Murray, CAE
Member, CAHEA Panel of Consultants: Ivy Reade, CMA-AC

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

MEDICAL LABORATORY

HISTOLOGIC TECHNICIAN
MEDICAL LABORATORY TECHNICIAN *(CERTIFICATE)*
MEDICAL LABORATORY TECHNICIAN *(ASSOCIATE DEGREE)*
MEDICAL TECHNOLOGIST

Liaison for the Department of Allied Health Evaluation
James F. Lovell, PhD, Assistant Director, (312) 751-6283
Beverly A. Jones, Program Assistant, (312) 751-6275

History: *Roots in the AMA.* At the annual meeting of the American Medical Association in 1922, the American Society of Clinical Pathologists (ASCP) was officially formed. Dr. Philip Hillkowitz was the first president, and Dr. Ward Burdick the first secretary. One of their first considerations was that there should be some clear definition to differentiate the workers in clinical laboratories whose work was primarily technical from those who were physicians.

Those were the pioneer days in clinical pathology when many clinical pathologists had working with them a more or less highly trained person—often with little or no formal education, but usually possessing manual and mechanical dexterity. These first technical assistants were always the products of an apprenticeship-type of training.

The first World War, legislation in various states requiring that all hospitals have laboratories, and the expanded use of new testing methods (such as in histology) all led to a significant jump in the demand for and use of adequately trained medical laboratory workers. This resulted in a need for increased training of the worker as well as increased numbers, and it was natural that courses would develop and be used as models for even more expanded curricula.

One of the first published courses in technical laboratory training was by Dr. John Kolmer of the Department of Pathology and Bacteriology in the Philadelphia clinic he directed. It is generally agreed that it was this document that served as the model for the first *Essentials of an Acceptable School for Clinical Laboratory Technicians*, prepared and utilized by the American Society of Clinical Pathologist's Board of Registry and first adopted in 1937 by the AMA's House of Delegates.

The Board of Registry of Medical Technologists. The Board of Registry of ASCP was formally established (but was not operational) in 1929 for the dual purpose of determining that quality existed in the medical laboratory educational program and certifying that products of those programs were adequately skilled and competent in their field. Until these dual activities were separated and the Board of Schools of the ASCP given the responsibility in 1949 for reviewing medical laboratory programs, the Board of Registry performed the review function in the first few years and after that worked in cooperation with the American Medical Association, its House of Delegates, and, particularly, its Council on Medical Education.

Discussions of the AMA Council on Medical Education and the ASCP Board of Registry in 1933 led to joint approval of medical laboratory technician programs and the first list of accredited programs was issued by the Registry in that year. The pre-clinical requirements were increased to one year of college with specific science requirements, and the designation "Registered Medical Technologist" was restricted to college graduates. It was recommended to colleges and universities that the fourth year be entirely practical and be spent in an approved laboratory. Most significantly, it was also in 1933 that the Board of Registry requested aid from the Council in making inspections of laboratory programs in connection with its regular hospital survey work.

Also in 1933, registrants of the ASCP Board of Registry banded together and organized the American Society of Medical Technologists (ASMT). Since its formation, this society has joined with the ASCP in developing standards for the field.

A "Conference on Approval of Schools for Clinical Laboratory Technicians" was held in 1934 with Dr. William D. Cutter, Mr. Homer F. Sanger and Dr. O. N. Anderson representing the AMA Council of Medical Education, and with Dr. Philip Hillkowitz and Dr. Kano Ikeda representing the ASCP Board of Registry. It was agreed at this meeting that the first list to be published jointly by the AMA and ASCP should not appear until the majority of the schools had been inspected. It was anticipated that the reviews would take a year or longer since only 45 of the 211 schools had been inspected at that point. Council staff were assigned the responsibility to review the schools. For four years previously, the review of programs was the responsibility of the Board of Registry.

First List of Accredited Medical Technology Programs. The first list of AMA accredited schools for clinical laboratory technicians was published in the *Journal of the American Medical Association* on August 29, 1936, establishing a very necessary set of controls in the medical technology educational field. The publication also represented the marriage of endeavor between AMA and its offspring, ASCP. The union has proven to be long-lasting, extremely productive, and has had immense impact on the education of medical laboratory personnel.

By the summer of 1937, the AMA Council staff had surveyed 210 medical laboratory schools and had published the first revised list of programs.

Effective January 1, 1938, the Council voted to increase the requirements for admission into an accredited program, from one to two years college, including basic sciences. The rationale for this action was noted in the March 26, 1938 issue of the *Journal of the American Medical Association*. The Council recognized that almost all larger hospitals admitted occasional students or volunteers to train as technicians for whom no systematic course of instruction was provided. However, ". . . the Council does not regard such casual apprenticeship as justifying recognition as a school."

Meetings between the Board of Registry and the Council were frequent between 1941 and 1947. Definitions of the functions of the Council (to review the programs) and the Board of Registry (to certify the graduates) were formalized; descriptions of the duties and responsibilities of the medical directors were formulated; insistence on record-keeping to verify the adequacy of the students' experiences were made; qualifications for the medical technician instructors were defined; and, all of these changes were incorporated in almost bi-annual revisions of the medical technology *Essentials*. It was a fruitful six years of refinement and formalization of the standards, culminating in 1947 with a change in the program name from "clinical laboratory technician" to "medical technologist" with the adoption of the *Essentials of an Acceptable School for Medical Technology* by the AMA House of Delegates in 1947.

In 1947, new Board of Registry categories of "laboratory aide" and "histologic technician" were added. The former classification was a result of wartime needs for "aides." However, because of less need in the post war years and a lack of applicants for certification, the category soon was eliminated.

In 1949, evaluation of programs was transferred from the Board of Registry to the newly established ASCP Board of Schools.

Standards Continuously Upgraded for Medical Technology Programs. Meanwhile in 1958, revised *Essentials of an Acceptable School for Medical Technology* were approved by the House of Delegates of the American Medical Association. These *Essentials* provided that, effective January 1, 1962, all students must have at least three years of college training with suitable science credits for entrance into an acceptable program. These *Essentials* were prepared by the Council on Medical Education in cooperation with the ASCP and the ASMT working through the Board of Registry and the Board of Schools. For the first time in ASMT was credited with an important part in preparing the *Essentials* and was thus recognized as an organization collaborating with the AMA's Council on Medical Education in the accreditation of medical laboratory programs.

ASMT Contributions. From a small society of a few hundred or less, the American Society for Medical Technology has grown to a membership of over 25,000 and has made many contributions, particularly in the area of continuing education for the medical technologist. The ASMT PACE Program, the Self-Assessment Series, and the Masters program (in conjunction with Central Michigan University) are but a few of the outstanding ASMT contributions to medical laboratory education.

The National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). NAACLS is an autonomous, nonprofit organization incorporated in the State of Illinois. Established in 1973 as the successor to the ASCP Board of Schools, the Agency functions "only in those areas directly related to the accreditation of educational programs, to insure independent judgment of the quality of the program and appropriate utilization of the fees charged to the educational institutions." However, its influence is limited to those educational programs seeking accreditation through the Committee on Allied Health Education and Accreditation.

From 1949 through late 1973 the Board of Schools functioned as the review committee for the various levels of laboratory programs. In July 1972, the US Office of Education (USOE) advised the AMA Council on Medical Education that the Board of Schools was not in compliance with two criteria for recognition when the Council sought continued recognition for accreditation in the medical laboratory area. The Board of Schools was not using the self-evaluation process in accreditation and the review committee was not autonomous. USOE requires that accrediting agencies be functional, responsible, reliable, autonomous, and dependable in assessing quality education.

To comply with the USOE regulations, the Board of Schools developed a self-study document and the American Society of Clinical Pathologists and American Society for Medical Technology began discussions on the restructuring of the review committee, which led to the creation of the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). NAACLS' Articles of Incorporation were signed in October 1973 and its By-Laws developed by December 1973. NAACLS moved to separate quarters in February 1974.

Thus ASCP and ASMT established NAACLS to conduct the accreditation functions and delegated to NAACLS the authority to approve *Essentials* after appropriate review and comment from their (ASCP and ASMT) members. Therefore, NAACLS has two sponsoring organizations, the ASCP and the ASMT, which are collaborating organizations with the AMA. NAACLS also includes two participating organizations, the American Society of Microbiology (ASM), and the National Society of Histotechnology (NSH), which represent given specialties within the clinical laboratory sciences.

NAACLS, through its four review committees, currently reviews educational programs for four occupations:

Histologic Technician. While certification of histologic technicians by the Board of Registry was initiated in 1947, as noted above, the growth of programs to train personnel was slow and it was not until 1970 that *Essentials* were prepared by the Council on Medical Education in cooperation with the American Society of Clinical Pathologists and the American Society for Medical Technology and adopted by the AMA House of Delegates.

Medical Laboratory Technician. The emphasis on education is predominant in the story of medical laboratory education and accreditation. It was not unexpected, then, when certified laboratory assistants called for more education and a way to attain medical technologist certification. The medical laboratory technician program was developed to meet this need and *Essentials* were developed and adopted by the AMA House of Delegates in 1971. Medical laboratory programs culminate in an associate degree or a certificate and thus provide the necessary link in upward mobility to the medical technologist level.

In 1978, the title medical laboratory technician was modified to include the parenthetical designation *(associate degree)* to distinguish this two-year program from the one year *(certificate)* program. The medical laboratory technician *Essentials* (both *certificate* and *associate degree* levels) were revised and adopted by the AMA Council on Medical Education in September 1977, and adopted by the National Accrediting Agency for Clinical Laboratory Sciences in October 1977.

Medical Technologist. Educational programs for medical technologists are conducted by accredited colleges, universities, hospitals or other institutions acceptable to the National Accrediting Agency for Clinical Laboratory Sciences and the Committee on Allied Health Education and Accreditation. The medical technology program culminates in a baccalaureate degree, or a certificate for the student who enters the program with a baccalaureate degree. Academic standards for the program must be approved by the institution that grants the degree. The medical technology *Essentials* were revised and adopted by the AMA Council on Medical Education in September 1977, and adopted by the National Accrediting Agency for Clinical Laboratory Sciences in October 1977.

The story of medical laboratory education is a story of pioneers with ideas. It is the story of cooperative efforts by the American Medical Association, ASCP, and ASMT. It is a story of quality in education through cooperation.

Essentials: *Essentials* are minimum educational standards developed jointly by the American Society of Clinical Pathologists (ASCP) and the American Society for Medical Technology (ASMT) through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) in collaboration with the American Medical Association. Each new program is assessed in accordance with the *Essentials*, and established programs are reviewed periodically to determine whether they continue to meet the standards. The *Essentials* with Guidelines appear in Appendix A of the *Directory*.

Application: Applications for CAHEA-accreditation may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. All applications should be endorsed by the chief administrator of the sponsoring institution.

Self-Analysis: The process of completing the self-study for CAHEA-accreditation requires that the program faculty, administrative personnel, and students evaluate the program being conducted to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the survey team in preparation for the on-site evaluation.

Program Review: Once the program has filed an application with the AMA and submitted copies of the self-study report to NAACLS, the self-study report is examined by a specially designated reader as well as a member of the appropriate review committee. When the program is fully operational, arrangements are made by the review committee of NAACLS for a survey team to make an on-site evaluation of the program. The survey report and supplementary materials are reviewed by the program review committee and an appropriate accreditation recommendation is made by NAACLS to CAHEA.

As of April 1, 1979 the members of the NAACLS Review Board are:

Kenneth Alexander, HT(ASCP)
Birmingham, AL

Jerome Benson, MD
Miami Beach, FL

John J. Blanada
Columbus, OH

George E. Branam, MD
Muncie, IN

Alice Curry, CLA(ASCP)
Bluffton, IN

Ruth M. French, MA, MT(ASCP), *Chairman*
Chicago, IL

Deborah Hanish, MLT(ASCP)
Michigan City, IN

David Jeffers, PhD, MT(ASCP)
York, PA

Virginia Johnston, MT(ASCP)
Kansas City, MO

Lois Ann Kachenmeister, MD
Columbus, OH
Joseph P. Kraft, MD
Chicago, IL
Carl H. Mitlehner, PhD
Frederick, MD
Sidney D. Rodenberg, PhD
Wichita, KS
MaryBelle Thompson, MT(ASCP)
Spokane, WA
E. Belvin Williams, PhD
Princeton, NJ
Ronald Zabransky, PhD(ASM)
Milwaukee, WI

As of April 1, 1979 the members of the NAACLS Histologic Technician Review Committee are:

Charles J. Churukian, HT(ASCP)
Rochester, NY
H. T. Enterline, MD
Philadelphia, PA
Ann Preece, HT(ASCP)
San Diego, CA
Alvin Ring, MD, *Chairman*
Chicago, IL
Rosemarie Winkler, HT(ASCP)
Dickinson, TX

As of April 1, 1979 the members of the NAACLS Medical Laboratory Technician *(Certificate)* Review Committee are:

Robert P. Carson, MD
Middletown, OH
Norton German, MD
Silver Springs, MD
Arthur Hitchcock, PhD
Albany, NY
Catherine Horton, MT(ASCP)MS
Boynton Beach, FL
Geraldine A. Woodson, MT(ASCP), *Chairman*
Birmingham, AL

As of April 1, 1979 the members of the NAACLS Medical Laboratory Technician *(Associate Degree)* Review Committee are:

James Holley, MS, MT(ASCP)
Portland, OR
Eleanor S. Irvine, MD
Wichita Falls, TX
Doris Kling, MT(ASCP), *Chairman*
East Peoria, IL
Augustus Middleton, Jr., MD
Jackson, TN
Louis A. Reibling, PhD
Belleville, IL
Carl Schilling, PhD
Bedford, MA

As of April 1, 1979 the members of the NAACLS Medical Technologist Review Committee are:

Ann Anderson, MT(ASCP)
Augusta, GA
Charles W. Ford, PhD
Buffalo, NY
E. Elizabeth French, MD
Hanover, NH
Armand Glassman, MD
Charleston, SC
Allen Lipsey, MD
Los Angeles, CA
Elizabeth Ann Stiene-Martin, MT(ASCP), *Chairman*
Lexington, KY
Ruth E. Morris, MT(ASCP)
Galveston, TX
J. R. Newland, MD
Omaha, NB
Richard T. O'Kell, MD
Kansas City, MO
Camille Pere, MT(ASCP)
Cincinnati, OH
Evelyn Scholtz, MT(ASCP)
Hartford, CT
Clifton Thompson, PhD
Springfield, MO

Accreditation: Recommendations of the HT, MT, MLT-AD, and MLT-C Review Committees are reviewed by the NAACLS Review Board and presented to the Committee on Allied Health Education and Accreditation (CAHEA). CAHEA grants accreditation to those programs meeting the standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by CAHEA.

Fees for Accreditation Services: NAACLS assesses a site visit fee of $300. An annual fee of $200 is charged to each accredited program, and an annual fee of $25 for each clinical affiliate. Assessment of such fees is intended to provide financial support in defraying the administrative cost of accreditation and of survey expenses. The American Medical Association does not participate in the collection or disbursement of such funds.

Maintaining Accreditation: To maintain accreditation, each program must complete and return the Annual Report form provided by the Department of Allied Health Evaluation. In addition, each program will be periodically reviewed by the appropriate NAACLS review committee for that area to determine whether or not it is maintaining substantial compliance with the *Essentials.* A program should be reviewed once every five years or more frequently, if so indicated in the accreditation decision or if so warranted by post-accreditation circumstances. Programs being reviewed prepare a documented self-evaluation and go through a site visit. The NAACLS review committee evaluates the program materials and then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn Street
Chicago, IL 60610
(312) 751-6283
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Robert B. Parks, PhD

HISTOLOGIC TECHNICIAN
MEDICAL LABORATORY TECHNICIAN *(Associate Degree)*
MEDICAL LABORATORY TECHNICIAN *(Certificate)*
MEDICAL TECHNOLOGIST

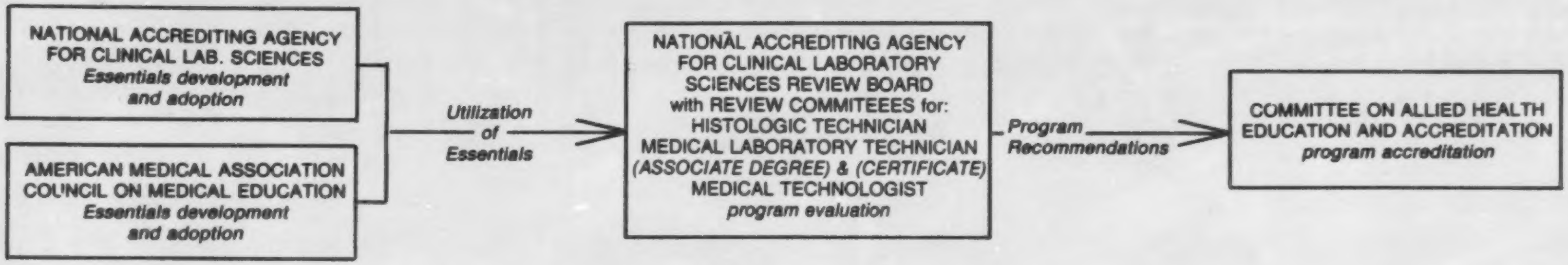

NATIONAL ACCREDITING AGENCY FOR CLINICAL LAB. SCIENCES
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES REVIEW BOARD with REVIEW COMMITEEES for: HISTOLOGIC TECHNICIAN MEDICAL LABORATORY TECHNICIAN *(ASSOCIATE DEGREE) & (CERTIFICATE)* MEDICAL TECHNOLOGIST
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-10—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the histologic technician, medical laboratory technician *(associate degree)* and *(certificate)*, and medical technologist.

American Medical Association
Council on Medical Education (CME)
535 N Dearborn Street
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

*National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
222 South Riverside Plaza, Suite 1512
Chicago, IL 60606
(312) 648-0270
Chairman: Ruth French, MT(ASCP)
Executive Director: Carol Elkins, MT(ASCP)

American Society of Clinical Pathologists
2100 W. Harrison Street
Chicago, IL 60611
(312) 738-1336
President: David LaFond, MD
Executive Director: David L. Gilcrest
Member, CAHEA Panel of Consultants: Colin R. Macpherson, MD

American Society of Microbiologists
1913 Eye St NW
Washington, DC 20006
(202) 833-9680
President: Willis A. Wood, PhD
Executive Director: Robert F. Acker, PhD
Member, CAHEA Panel of Consultants: (Vacancy)

*American Society for Medical Technology
5555 W. Loop S, Suite 200
Bellaire, TX 77401
(713) 664-8121
President: Adele Spence, MT(ASCP)
Executive Director: Gary Morgan
Member, CAHEA Panel of Consultants: Nellie M. Bering, MT(ASCP)

National Society for Histotechnology (Histologic Technician only)
PO Box 36
Lanham, MD 20801
(301) 552-9678
President: Don Hammer
Executive Secretary: Roberta Mosedale
Member, CAHEA Panel of Consultants: Jules M. Elias, MA

MEDICAL RECORDS

MEDICAL RECORD TECHNICIAN
MEDICAL RECORD ADMINISTRATOR

Liaison for the Department of Allied Health Evaluation
Wallace G. Clark Jr., EdD, Assistant Director, (312) 751-6269
Lorraine Parker, Program Assistant, (312) 751-6277

History: Standards for educational programs for medical record administrators (formerly librarians) were established in 1935 by the American Medical Record Association (AMRA) through its committee on training. The first four programs for medical record administrators were accredited in that year, three of which were hospital-based and one a college-based program. In 1942, AMRA invited the American Medical Association (AMA) to serve as the official accrediting agency for educational programs for medical record administrators. This responsibility was accepted by the House of Delegates of the AMA. In 1974, revised *Essentials* for educational programs for medical record administrators were developed and approved.

In 1952, the first *Essentials* for educational programs for medical record technicians were established and approved by both the American Medical Record Association and the American Medical Association. These first educational programs for medical record technicians were hospital-based. Over the years there has been a gradual transition from hospital-based educational programs for medical record administrators and medical record technicians to college- and university-based programs. In 1976, the American Medical Record Association in collaboration with the Council on Medical Education of the American Medical Association revised the *Essentials* for educational programs for medical record technicians. The revision was adopted by the House of Delegates of the American Medical Association that same year.

Essentials: *Essentials* are minimum educational standards developed by the American Medical Record Association in collaboration with the American Medical Association. Each new program is assessed in accordance with the *Essentials*, and accredited programs are reviewed periodically to determine whether or not they remain in substantial compliance. The *Essentials* appear in Appendix A of the *Directory*.

Application: Application forms and information on the application process for accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Completed application forms, signed by the chief administrator of the sponsoring institution and by the director of the educational program, should be returned to the appropriate office as requested on the application materials.

Self-Analysis: The process of completing the application/self-study for CAHEA-accreditation requires that the program faculty, administrative personnel and students evaluate the program to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the survey team in preparation for the on-site evaluation.

Program Review: Once the program has filed an application with the Department of Allied Health Evaluation and submitted copies of the self-study report to the Education and Registration Committee of the American Medical Record Association, the Education and Registration Committee examines the report with respect to the *Essentials*. Arrangements are made by the Education and Registration committee for a survey team to make an on-site evaluation of the program. The survey report and supplementary materials are reviewed by the program review committee and an appropriate accreditation recommendation is made to the Committee on Allied Health Education and Accreditation.

The members of the Education and Registration Committee are:

Jo Anne Bruce, RRA
Valparaiso, IN

Victoria A. Gregonis, RRA
North Oxford, MA

Joan Holloway, RRA
Portland, MA

Carolie Korosi, RRA
Cleveland Heights, OH

Elizabeth Martin, RRA
Oklahoma City, OK

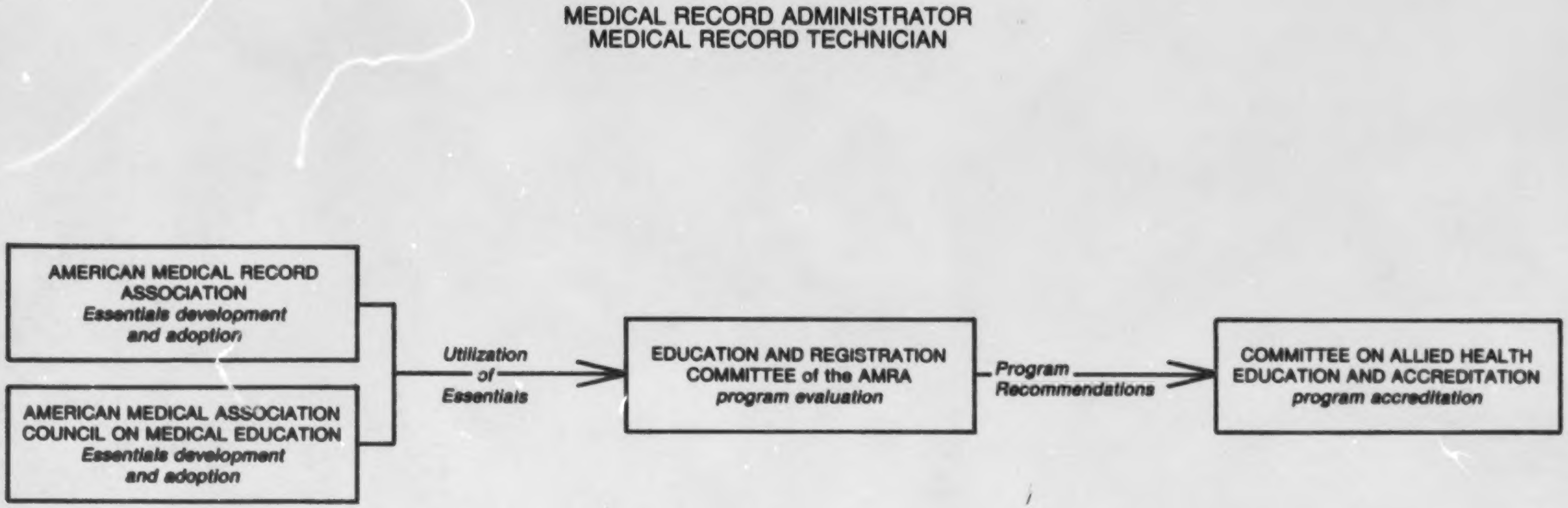

MEDICAL RECORD ADMINISTRATOR
MEDICAL RECORD TECHNICIAN
AMERICAN MEDICAL RECORD ASSOCIATION
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
EDUCATION AND REGISTRATION COMMITTEE of the AMRA
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II–11—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the medical record administrator and medical record technician.

Eileen O'Donnell, RRA
Seattle, WA

Frank Pace, ART
Deerfield, IL

Melanie M. Pariser, RRA
Columbus, OH

Charolette D. Smith, RRA, *Chairman*
Miami Beach, FL

Accreditation: Recommendations of the Education and Registration Committee are reviewed by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs meeting the standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: To help defray the costs of accreditation, the American Medical Record Association assesses an initial or re-survey fee of $300 and an annual fee of $200 to each accredited educational program.

Maintaining Accreditation: To maintain accreditation, each program must complete and return the Annual Report form provided by the Department of Allied Health Evaluation. In addition, each program will be periodically reviewed by the Education and Registration Committee to determine whether or not it is maintaining substantial compliance with *Essentials*. A program should be reviewed once every five years or more frequently, if so indicated in the accreditation decision or if so warranted by post-accreditation circumstances. Programs undergoing review prepare a documented self-evaluation and undergo a site visit. The Education and Registration Committee evaluates the program materials and then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6269
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Wallace G. Clark Jr., EdD

*Education and Registration Committee
American Medical Record Association
875 N Michigan Ave, Suite 1850
Chicago, IL 60611
Chairman: Charlotte Smith, RRA
Director, Academic Division: Laura Anne Biglow, RRA
Assistant Director, Academic Division: Frances Hindsman, RRA

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

*American Medical Record Association
875 N Michigan Ave, Suite 1850
Chicago, IL 60611
(312) 787-2672
President: Mary Joan Wogan, RRA
Executive Director: Carolyn Cave, PhD, RRA
Member, CAHEA Panel of Consultants: Laura Anne Biglow, RRA

NUCLEAR MEDICINE

NUCLEAR MEDICINE TECHNOLOGIST

Liaison for the Department of Allied Health Evaluation
Charles E. McClinton, PhD, Assistant Director, (312) 751-6298
Sheryl A. Vallo, BS, Program Assistant, (312) 751-6271

History: Deliberations were completed in 1969, following a period estimated to have been as long as fifteen years in duration, leading to adoption by the AMA House of Delegates of the initial *Essentials* of an accredited educational program for the nuclear medicine technologist. This document recognized both technician and technologist levels of competency in separate teaching programs. The organizations which collaborated in the drafting and final approval of the document were the Society of Nuclear Medicine, Society of Nuclear Medical Technologists, American College of Radiology, American Society of Clinical Pathologists, American Society for Medical Technology, and the American Society of Radiologic Technologists. These organizations, with the exception of the SNMT, sponsor the Joint Review Committee on Educational Programs in Nuclear Medicine Technology.

The first official meeting of the Joint Review Committee was held in January 1970. This review body meets twice annually to review educational programs, and prepare recommendations on accreditation status for final action by the Committee on Allied Health Education and Accreditation.

The Society of Nuclear Medical Technologists, which was one of the Joint Review Committee's original sponsors, has terminated its corporate status as a professional organization, and has elected to relinquish its sponsorship of the Joint Review Committee. Consequently, at its June 1975 meeting, the Council on Medical Education authorized a change in sponsorship structure of this review body. Current representation of collaborating sponsors on the committee includes four members of the Society of Nuclear Medicine (two physicians, two technologists), and two representatives from each of the professional organizations. The current sponsorship structure maintains the equal physician/non-physician balance among appointed (or elected) representatives. Responsibilities of the Joint Review Committee include scheduling of on-site surveys, designation of survey teams, periodic review of educational standards, and development of specific accreditation recommendations for the Committee on Allied Health Education and Accreditation's consideration. The Joint Review Committee's office, formerly located n Washington, DC was moved to Salt Lake City, Utah in November 1978. The new address is 445 South 300 East.

The *Essentials of an Accredited Educational Program for the Nuclear Medicine Technologist* have been substantially revised. The revised *Essentials* were adopted by the AMA House of Delegates at its June 1976 Annual meeting following endorsement by each of the organizations sponsoring the Joint Review Committee. The language of the revised educational standards, although developed initially by the Joint Review Committee, was substantially modified during a series of open forum sections designed to provide ample opportu-

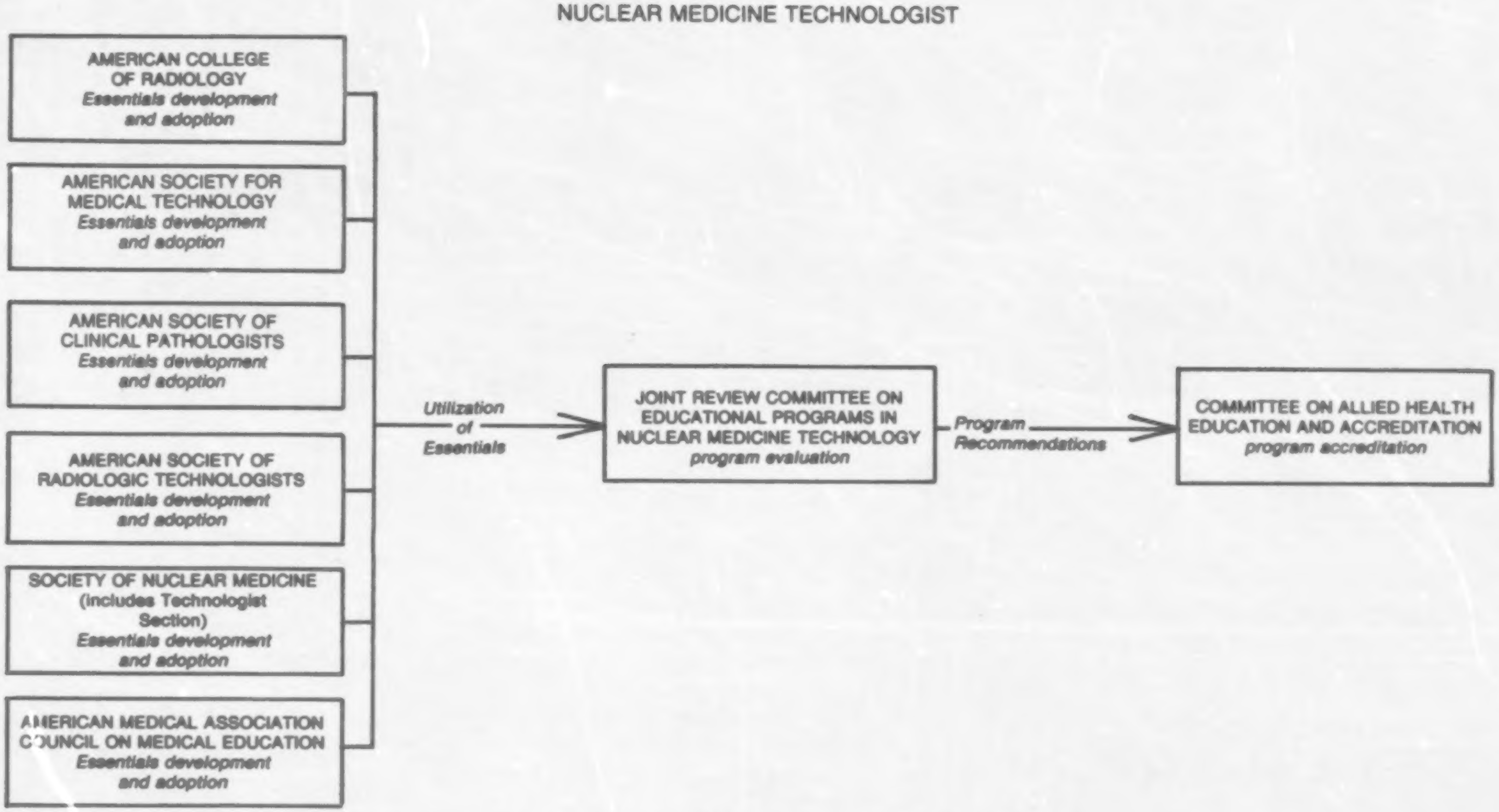

NUCLEAR MEDICINE TECHNOLOGIST
AMERICAN COLLEGE OF RADIOLOGY
Essentials development and adoption
AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY
Essentials development and adoption
AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS
Essentials development and adoption
AMERICAN SOCIETY OF RADIOLOGIC TECHNOLOGISTS
Essentials development and adoption
SOCIETY OF NUCLEAR MEDICINE (includes Technologist Section)
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS IN NUCLEAR MEDICINE TECHNOLOGY
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-12—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the nuclear medicine technologist.

nity for the full "community of interest" to participate in the process of revision.

A proposal which placed primary emphasis on either "in vivo" or "in vitro" procedures, rather than the full range of diagnostic procedures utilizing radioactive isotopes, was found to be highly controversial in nature, and was subsequently removed from the final draft of the revised *Essentials.*

Among the provisions of the *Essentials* which have been substantially modified the following may be of special interest:

1. The distinction between "technician" and "technologist" level teaching programs was removed.
2. Basic performance oriented educational objectives are identified for each aspect of the professional curriculum, within reference to quantitative factors.
3. Provision is made for recognition of innovative programs which depart from traditional teaching patterns, to encourage investigative activity leading to increased effectiveness of educational programs in nuclear medicine.

Essentials: *Essentials* are minimum educational standards developed by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology in collaboration with the American College of Radiology, American Society of Clinical Pathologists, American Society for Medical Technology, American Society of Radiologic Technologists, and Society of Nuclear Medicine. Each new program is assessed in terms of compliance with the *Essentials*, and accredited programs are reviewed periodically to determine whether they continue to meet the standards. The *Essentials* appear in Appendix A of the *Directory*.

Application: Applications for accreditation may be obtained from the Department of Allied Health Evaluation, AMA, 535 N Dearborn St, Chicago, IL 60610. All applications should be endorsed by the program director and the chief administrative officer of the sponsoring institution.

Self-Analysis: The process of completing the application for CAHEA accreditation requires that the program faculty, administrative personnel and students evaluate the program being conducted to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the survey team in preparation for the on-site evaluation, as well as by the review body and CAHEA in determining initial or continuing accreditation status.

Program Review: Four copies of completed application forms, signed by the director of the educational program and administrator of the sponsoring institution, as well as the self-study and other requested supplementary material, should be returned to the Department of Allied Health Evaluation. Three copies of all materials are forwarded to the Joint Review Committee which arranges for on-site evaluation by a survey team including a physician qualified in nuclear medicine and a nuclear medicine technologist. The survey report and supplementary materials are reviewed by the Joint Review Committee and an appropriate accreditation recommendation is forwarded to the Committee on Allied Health Education and Accreditation.

The members of the Joint Review Committee on Educational Programs in Nuclear Medicine Technology are:

American College of Radiology
James H. Christie, MD
Iowa City, IA
C. Douglas Maynard, MD
Winston-Salem, NC

American Society of Clinical Pathologists
Oscar B. Hunter, Jr., MD
Washington, DC
Philip L. Howard, MD
Burlington, VT

American Society for Medical Technology
Klitia Vanags, MT(ASCP), RT(N)ARRT
San Jose, CA
Connie Madjak, MT(ASCP)NM
Joliet, IL

American Society of Radiologic Technologists
Vernon Ficken, RT(ARRT)
Oklahoma City, OK
Glen Isserstedt, RT(ARRT)
Iowa City, IA

Society of Nuclear Medicine
David V. Becker, MD
New York, NY
Elaine J. Cuklanz, MS, MT(ASCP)NM, *Chairperson*
Salt Lake City, UT
Joan McKeown, CNMT
Darby, PA
George L. Jackson, MD
Harrisburg, PA

Accreditation: Recommendations of the Joint Review Committee on Educational Programs in Nuclear Medicine Technology are reviewed by the Committee on Allied Health Education and Accreditation. The Committee grants accreditation to those programs meeting established standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: The Joint Review Committee on Educational Programs in Nuclear Medicine Technology assesses a $300 fee per on-site evaluation, a $200 annual fee, and a $25 annual fee per affiliate. Assessment of such fees is intended to provide financial support defraying the cost of on-site evaluation of teaching programs. The Committee on Allied Health Education and Accreditation does not participate in the collection of such fees nor disbursement of funds collected for this purpose.

Maintaining Accreditation: To remain accredited, each program must be periodically reevaluated to determine whether it is maintaining compliance with the *Essentials*. The initial evaluation process is repeated whereby the program completes an application for renewal of accreditation, is resurveyed, and the on-site report and supporting materials evaluated by the Joint Review Committee. The review committee then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation. A program should be resurveyed once every five years or more frequently, if indicated.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6298
CAHEA Chairman: Keith D. Blayney, PhD

CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Charles E. McClinton, PhD

*Joint Review Committee on Educational Programs in Nuclear Medicine Technology
445 S 300 E
Salt Lake City, UT 84111
(801) 521-2830
Chairperson: Elaine Cuklanz, MT(ASCP)NM

American College of Radiology
20 N Wacker Dr
Chicago, IL 60606
(312) 236-4963
President: Byron G. Brogdon, MD
Executive Director: William C. Stronach, JD
Deputy Assistant Director: Robert E. Becker
Member, CAHEA Panel of Consultants: Helmut A. Mueller, MD

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

American Society of Radiologic Technologists
55 E Jackson Blvd, Suite 1820
Suite 1820
Chicago, IL 60604
(312) 922-3962
President: Daniel B. Donahue, RT(R) (ARRT)
Executive Director: Ward M. Keller, RT(R) (ARRT)
Director of Education: Marilyn Fay, RT(R) (ARRT)
Member, CAHEA Panel of Consultants: Marilyn Fay, RT(R) (ARRT)

*Society of Nuclear Medicine
475 Park Ave S
New York, NY 10016
(212) 889-0717
President: C. Douglas Maynard, MD
Executive Director: Margaret Glos
Member, CAHEA Panel of Consultants: David V. Becker, MD

OCCUPATIONAL THERAPY

OCCUPATIONAL THERAPIST

Liaison for the Department of Allied Health Evaluation
Charles E. McClinton, PhD, Assistant Director, (312) 751-6298
Sheryl A. Vallo, BS, Program Assistant, (312) 751-6271

History: In 1931, the American Occupational Therapy Association requested that the Council on Physical Therapy of the AMA undertake reviews and evaluation of occupational therapy programs. The AMA Board of Trustees referred the request to the Council on Physical Therapy and the Council on Medical Education and Hospitals.

The Council on Physical Therapy had been created in 1925 "to investigate and report on the value and merits of all non-medicinal apparatus and contrivances offered for sale to physicians and hospitals, and to publish in *The Journal* from time to time the results of its investigations." The Council on Medical Education and Hospitals was selected as the proper body to undertake the reviews because of its experience in all phases of medical education, including the investigation of medical schools, teaching hospitals, and programs for the education of technicians in specialties that are closely allied to medical service. The review of occupational therapy programs, which began in 1933, was carried out in conjunction with the other activities of the Council.

In 1934 and 1935, joint meetings were held with representatives of the American Occupational Therapy Association, the AMA Council on Physical Therapy, and the Council on Medical Education and Hospitals to establish *Essentials* for educational programs. The *Essentials* were adopted by the AMA House of Delegates in 1935. The *Essentials* were revised and adopted by the AMA Council on Medical Education in 1938, 1943, 1949, and 1965.

The latest version of the *Essentials* of an Accredited Educational Program for the Occupational Therapist was officially approved by the AOTA Council on Education in October 1972 and by the AMA House of Delegates in June 1973. However, educational programs were advised that the new requirements would not go into effect until September 1, 1975. This grace period was believed to be necessary for most programs to reassess program goals and to develop a frame of reference, or conceptual model, which describes the organizing ideas and is used as a basis for the selection of curriculum content, its scope and sequence. These *Essentials* require measurable general and specific objectives for each content area and fieldwork experience which define the steps leading to the desired outcome.

The American Occupational Therapy Association has placed its emphasis on objectivity and consistency in reviewing, revising and coordinating its accreditation process and evaluation documents during the past two years. In addition, attention has been directed toward decreasing time and costs for both the institution and the AOTA Accreditation Committee in preparing documentation required for the accreditation process.

The role of collaborating organizations in accreditation is vitally important. The American Occupational Therapy Association is involved in the accreditation process through adoption of *Essentials* and review of programs. The Association participates in drafting and revising *Essentials* and its governing body formally adopts *Essentials*. The Association provides experts to survey programs to ascertain whether the educational programs meet the *Essentials*, and it provides representatives for the AOTA Accreditation Committee to meet as a review committee to evaluate programs for accreditation. A representative from the American Occupational Therapy Association also serves on the CAHEA Panel of Consultants.

During 1978, 1,767 students completed all academic and field work requirements of the basic professional programs accredited jointly by the Committee on Allied Health Education and Accreditation (CAHEA) and the American Occupational Therapy Association (AOTA). AOTA states that as of December 1976 there were 19,000 registered occupational therapists, 14,800 of whom were employed.

Essentials: *Essentials* are minimum educational standards developed by the American Occupational Therapy Association (AOTA) in collaboration with the American Medical Association. Each new program is assessed in accordance with the *Essentials*, and accredited programs are reviewed periodically to determine whether they remain in substantial compliance. The *Essentials* with Guidelines appear in Appendix A of the *Directory*.

Application: All requests for applications for CAHEA/AOTA accreditation of occupational therapy education programs should be endorsed by the program director and the chief administrator of the sponsoring institution and sent to the Director, Division of Education, American Occupational Therapy Associatiion, 6000 Executive Blvd, Rockville, MD 20852, with a copy to the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610.

Self-Analysis: The process of completing the application for CAHEA accreditation requires that the program faculty, administrative personnel, and students evaluate the program being conducted to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the on-site evaluation team in preparation for the on-site evaluation.

Program Review: The completed application forms, signed by the director of the educational program and administrator of the sponsoring institution, are returned as follows: two copies to the AMA Department of Allied Health Evaluation and five copies to the AOTA Division of Education. AOTA staff and the chairman of the AOTA Accreditation Committee arrange on-site evaluations to be made by a survey team composed of two representatives of the AOTA and two representatives of CAHEA. If the institution wishes, a generalist may be appointed by the Regional Accrediting Association to accompany the visiting team at additional expense to the institution. The survey report and supplementary materials are reviewed by the full program review committee and an appropriate accreditation recommendation is made to the Committee on Allied Health Education and Accreditation.

As of February 1979, the members of the Accreditation Committee, American Occupational Therapy Association, are:

Elizabeth B. Devereaux, MSW, OTR
Huntington, WV

Major Mary Garfield
Washington, DC

Doris Gordon, MS, OTR
Elizabethtown, PA

Helen L. Hopkins, MA, OTR
Philadelphia, PA

Linda K. Katt, OTR
Detroit, MI

Amy Lind, PhD, OTR
Grand Forks, ND

Patti A. Maurer, PhD, OTR
Richmond, VA

Sylvia Meekers, OTR
Lake Worth, FL

Dorothy Anne Penner, MA, OTR
Lawrence, KS

Susan L. Smith, MA, OTR
Metairie, LA

Nancy V. Snyder, MS, OTR, FAOTA, *Chairperson*
Columbus, OH

Major Carl Sundstrom
Washington, DC

William J. Wikoff, OTR
Columbia, MO

Public Member

Dolores Silva, EdD
Philadelphia, PA

Accreditation: Recommendations of the AOTA Accreditation Committee are reviewed by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs meeting the standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation and the AOTA Accreditation Committee.

Fees for Accreditation Services: Financial support of the accrediting process comes from budgeted funds of the AMA and the AOTA and from fees charged institutions which have programs of study being evaluated for accreditation. A fee of $100 must be sent to the American Occupational Therapy Association when the application for initial review of a new program is submitted.

An additional fee of $200 is due at the time of the on-site survey visit. Established programs being reevaluated are charged $300 (payable to the AOTA at the time of an on-site survey or in no more than two installments prior to the survey). Expenses related to the inclusion of a generalist on the survey visit are borne by the institution.

Renewal of Accreditation: To remain accredited, each program must be periodically reevaluated to determine whether it is maintaining compliance with the *Essentials*. The initial evaluative process is repeated whereby the program completes an application for renewal of accreditation, is resurveyed, and the on-site report and supporting materials are evaluated by the review committee. The review committee then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation. A program should be resurveyed once every five years or more frequently, if indicated.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6298
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Charles E. McClinton, PhD

*Accreditation Committee
American Occupational Therapy Association
6000 Executive Blvd
Rockville, MD 20852
(301) 770-2200
Chairman: Nancy V. Snyder, MS, OTR, FAOTA

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

*American Occupational Therapy Association
6000 Executive Blvd
Rockville, MD 20852
(301) 770-2200

OCCUPATIONAL THERAPIST

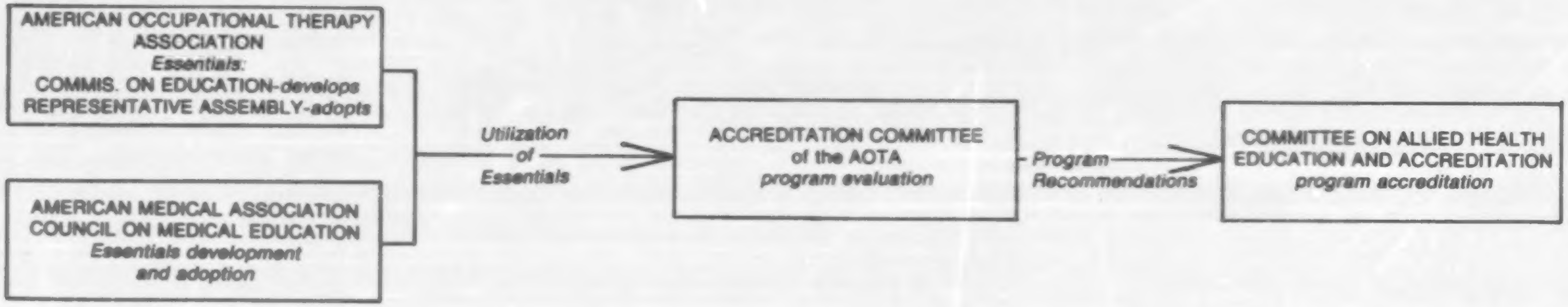

AMERICAN OCCUPATIONAL THERAPY ASSOCIATION
Essentials:
COMMIS. ON EDUCATION-*develops*
REPRESENTATIVE ASSEMBLY-*adopts*
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
ACCREDITATION COMMITTEE of the AOTA
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-13—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the occupational therapist.

President: Mae D. Hightower-Vandamm, OTR, FAOTA
Executive Director: James J. Garibaldi
Coordinator, Accreditation: Gail J. Licciardello, OTR
Director, Education Division: Stephanie Presseller, MS, OTR
Member, CAHEA Panel of Consultants: Elizabeth B. Devereaux, MSW, OTR

OPHTHALMIC MEDICAL ASSISTING

OPHTHALMIC MEDICAL ASSISTANT

Liaison for the Department of Allied Health Evaluation
Charles E. McClinton, PhD, Assistant Director, (312) 751-6298
Sheryl A. Vallo, BS, Program Assistant, (312) 751-6271

History: Established in 1969, the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO) represents all segments of ophthalmology by including representatives of the American Association of Ophthalmology, the American Academy of Ophthalmology and Otolaryngology, the American Medical Association Section on Ophthalmology, the Association of University Professors on Ophthalmology, the Contact Lens Association of Ophthalmologists, the Society of Military Ophthalmologists, the Canadian Ophthalmological Society, the American Ophthalmological Society, and the American Orthoptic Council. In addition there is representation on JCAHPO from the American Association of Certified Allied Health Personnel in Ophthalmology, whose membership includes ophthalmic assistants, ophthalmic technicians, orthoptists, and other categories of personnel who assist the ophthalmologist professionally. JCAHPO is the agency jointly designated by those ophthalmological organizations listed above to collaborate in the accrediting of educational programs.

In February 1974, the AMA Council on Health Manpower approved the concept of the Ophthalmic Medical Assistant and agreed that a need for a single category of ophthalmic assistant had been demonstrated. To develop educational *Essentials*, the Council on Medical Education worked with representatives of the American Association of Certified Allied Health Personnel in Ophthalmology (AACAHPO), the American Association of Medical Assistants (AAMA), the American Association of Ophthalmology (AAO), the American Academy of Ophthalmology and Otolaryngology (AAOO), the Association of University Professors in Ophthalmology (AAUPO), the Contact Lens Association of Ophthalmologists (CLAO), the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO), and the Society of Military Ophthalmologists (SMO).

It was agreed that in the establishment of *Essentials* and the accreditation of educational programs for the ophthalmic medical assistant, the interests of ophthalmology would be represented by JCAHPO and the interests of the allied health occupation by AACAHPO and AAMA. These three organizations developed and endorsed an *Essentials* document and presented it to the AMA House of Delegates for consideration in June 1975. The House adopted the *Essentials of an Accredited Program for the Ophthalmic Medical Assistant* at that meeting.

Essentials: *Essentials* are minimum educational standards developed by the American Association of Certified Allied Health Personnel in Ophthalmology, the American Association of Medical Assistants and the Joint Commission on Allied Health Personnel in Ophthalmology in collaboration with the American Medical Association. Each new program is assessed in accordance with the *Essentials*, and accredited programs are reviewed periodically to determine whether or not they remain in substantial compliance. The *Essentials* appear in Appendix A of the *Directory*.

Application: Applications for accreditation may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. All applications should be endorsed by the program director and the chief administrator of the sponsoring institution. The program director should return the completed application forms directly to the Department of Allied Health Evaluation.

Self-Analysis: The process of completing the application for accreditation requires that the program faculty, administrative personnel and students evaluate the program to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the survey team in preparation for the on-site evaluation.

Program Review: The completed application should be returned to the Department of Allied Health Evaluation for staff review and forwarding to the Joint Review Committee for the Ophthalmic Medical Assistant. This Joint Review Committee is composed of two representatives from JCAHPO and one from AACAHPO. If the application is judged to be in order, an on-site evaluation will be scheduled. A survey team, consisting of an ophthalmologist and a representative of the allied health profession, visit the program seeking accreditation and prepare a report of their findings. The report is first submitted to the program to be checked for factual accuracy and is then reviewed by the Joint Review Committee, along with appropriate supplementary materials. An accreditation recommendation is then made to the Committee on Allied Health Education and Accreditation.

The members of the Joint Review Committee for the Ophthalmic Medical Assistant are:

Joint Commission on Allied Health Personnel in Ophthalmology
Budd Appleton, MD, *Chairman*
St. Paul, MN
Robert Hugh Monahan, MD
St. Paul, MN

American Association of Certified Allied Health Personnel in Ophthalmology
Doris C. Gaston, COT
Phoenix, AZ

Accreditation: Recommendations to the Joint Review Committee on Educational Programs for the Ophthalmic Medical Assistant are reviewed by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs in substantial compliance with the *Essentials*. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: The Joint Review Committee assesses an annual program fee of $200 to each institution sponsoring an educational program for the Ophthalmic Medical Assistant, and a $300 fee for an on-site evaluation. Assessment of such fees helps to defray the costs of administration and site visits.

Maintaining Accreditation: To maintain accreditation, each program must complete and return the Annual Report form provided by the Department of Allied Health Evaluation. In addition, each program will be periodically reviewed by the Joint Review Committee for the Ophthalmic Medical Assistant to determine whether or not it is maintaining substantial compliance with the *Essentials*. A program should be re-

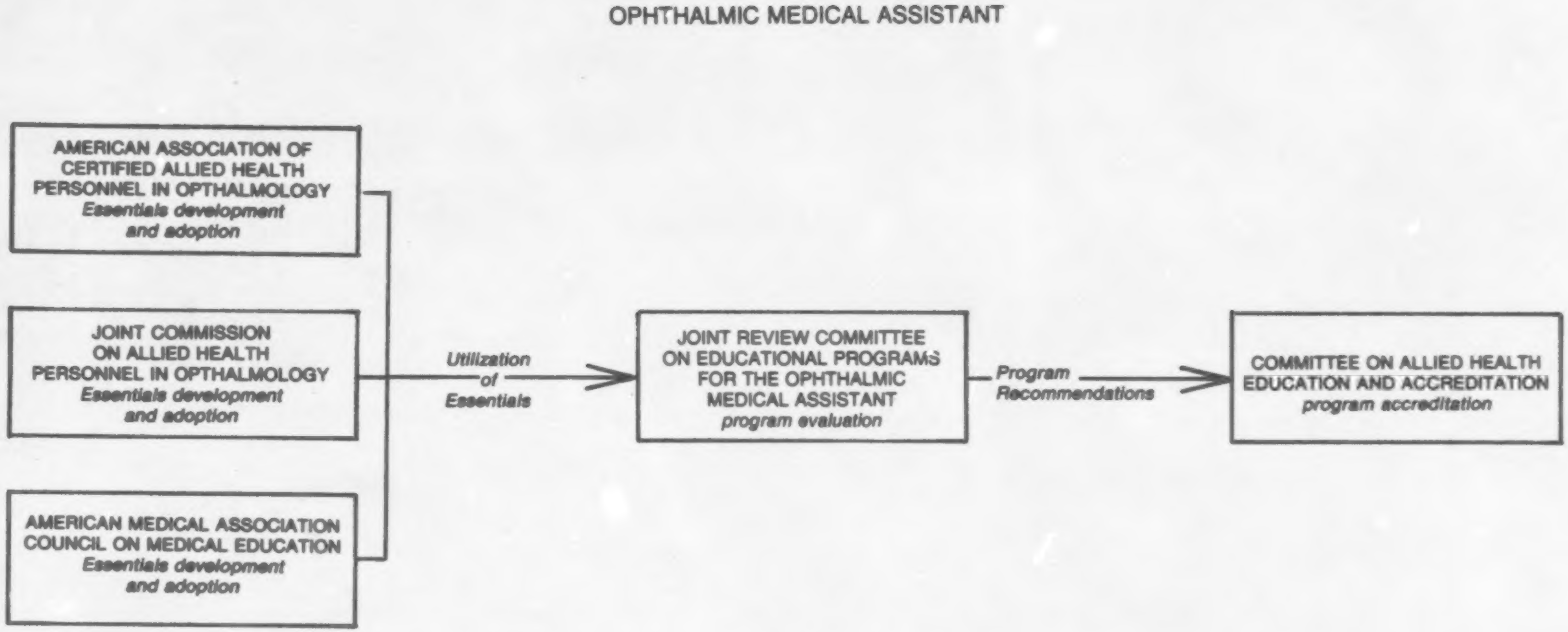

OPHTHALMIC MEDICAL ASSISTANT
AMERICAN ASSOCIATION OF CERTIFIED ALLIED HEALTH PERSONNEL IN OPTHALMOLOGY
Essentials development and adoption
JOINT COMMISSION ON ALLIED HEALTH PERSONNEL IN OPTHALMOLOGY
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR THE OPHTHALMIC MEDICAL ASSISTANT
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II–14—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the ophthalmic medical assistant.

viewed once every five years or more frequently, if so indicated in the accreditation decision or if so warranted by post-accreditation circumstance(s). Programs undergoing review prepare a documented self-evaluation and go through a site visit. The Joint Review Committee evaluates the program materials and then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6298
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Charles E. McClinton, PhD

*Joint Review Committee of Educational Programs for the Ophthalmic Medical Assistant
Joint Commission on Allied Health Personnel in Ophthalmology
1575 University Ave
St. Paul, MN 55104
Chairman: Budd Appleton, MD
Administrative Assistant: Nancy Weber

*American Association of Certified Allied Health Personnel in Ophthalmology
555 W Cataline Dr, Suite 304
Phoenix, AZ 85013
(602) 277-3152
President: Linda K. Hirte, COT
Member, CAHEA Panel of Consultants: Doris C. Gaston, COT

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher
CME SEcretary: Richard L. Egan

*Joint Commission on Allied Health Personnel in Ophthalmology
1575 University Ave
St. Paul, MN 55104
(612) 646-4963
President: Thomas J. Kirby, MD
Executive Vice President: Robert Hugh Monahan, MD
Member, CAHEA Panel of Consultants: Robert Hugh Monahan, MD

PHYSICAL THERAPY

PHYSICAL THERAPIST

Liaison for the Department of Allied Health Evaluation
Robert B. Parks, PhD, Assistant Director, (312) 751-6297
Betty R. Jones, Program Assistant, (312) 751-6274

History: At the request of the American Physiotherapy Association (now called the American Physical Therapy Association), Dr. C. B. Reed of Illinois presented the following resolution to the AMA House of Delegates meeting in Cleveland on June 11–15, 1934:

WHEREAS, There is a recognized demand for qualified professionally trained physical therapy technicians in the hospitals, clinics, physicians' offices and schools for crippled children of this country; and

WHEREAS, The work of these technicians is under the direction of members of the medical profession; and

WHEREAS, The medical profession and the American Physical Therapy Association recognize the vital importance of establishing minimum standards of training and the inspection of training schools in physical therapy by a qualified and authoritative organization; therefore be it

RESOLVED, That the entire subject be left to the Board of Trustees of the American Medical Association, with the request that it be given careful study and consideration, and, if practical and feasible, some plan for the establishment of standards, ratings and inspections of training schools in physical therapy be effected, providing that the expense of such inspection be borne by the school requesting the same.

After consulting with the AMA Council on Physical Therapy (disbanded in 1956), the American Congress on Physical Therapy (now called American Congress on Physical Medicine and Rehabilitation) and the American Physiotherapy Association, the AMA Council on Medical Education and Hospitals (now called the Council on Medical Education) proposed a draft of the *Essentials of an Acceptable School for Physical Therapy Technicians*, which was approved by the AMA House of Delegates in May of 1936. Minor revisions were made in the document in 1943 and 1949.

The *Essentials of an Accredited Educational Program for the Physical Therapist* were revised in 1955 under conditions which seriously strained the relations between the American Physical Therapy Association (APTA) and the AMA. A primary issue was the question of whether physical therapists were to relate most directly with the physicians representing one medical specialty—Physical Medicine & Rehabilitation—or with any licensed physicians who wished to order physical therapy services for their patients. The APTA later sought recognition from the National Commission on Accreditation (NCA) as the official accrediting agency for physical therapy educational programs, independent of the AMA Council on Medical Education. The NCA tabled that petition in 1968 pending the results of conferences between AMA and APTA representatives and, later, pending the publication of results of the Study of Accreditation for Selected Health Educational Programs (SASHEP). Negotiations between the AMA and the APTA during the period 1969–1973 were successful to the point that APTA reversed its policy of seeking accreditation as an independent accrediting agency and agreed to work on strengthening the collaborative relationship with the AMA Council on Medical Education in accrediting physical therapy programs.

Both organizations were anxious to update the 20-year-old *Essentials* still being used to accredit programs. In 1969, APTA had independently developed a set of "Standards for Basic Education in Physical Therapy" as a potential replacement for the 1955 *Essentials*. Using the Council on Medical Education's standard format for revision of *Essentials*, and following the suggestions of the Council that numbers of hours or credits be deleted from *Essentials* and be replaced by performance standards for compentency-based criteria, the standards were adopted into *Essentials*.

The resulting draft for revised *Essentials of an Accredited Educational Program for the Physical Therapist* was approved by the APTA House of Delegates in June 1973. When the APTA submitted the revised *Essentials* to the AMA for adoption, the document was reviewed by the AMA Council on Medical Education's Advisory Committee on Education for the Allied Health Professions and Services, and referred back to the APTA with suggestions for further revisions.

The APTA accepted these AMA criticisms, the proposal was extensively revised in accordance with the suggestions, and the APTA House of Delegates approved the revised version in June 1974. When the AMA House of Delegates also considered the proposed *Essentials* in June 1974, representatives of three AMA Specialty Section Councils expressed concern that the proposed revisions represented a major departure from the 1955 *Essentials* and there had been insufficient time to study the document in detail. The AMA House of Delegates voted to refer the document back to the Council on Medical Education for conferences with those AMA Specialty Section Councils.

Meetings with representatives of the Sections on Neurology, Orthopaedic Surgery, and Physical Medicine & Rehabilitation were held in October and Novermber 1974 to clarify the concerns of these medical specialists and to seek a solution which would permit the *Essentials* to be adopted by the AMA House of Delegates. Representatives of the APTA participated in the November meeting as well, and pointed out that most of the concerns expressed by Section members were related more directly to the activities of practicing physical therapists than to the educational standards for physical therapy programs. In addition, they were firmly opposed to the suggestion that the *Essentials* be revised and returned to the APTA House of Delegates for consideration a third time. In their opinion, such action would create a strong backlash of resentment against the AMA and would almost certainly lead to withdrawal of the APTA from any collaborative relationship with the Council on Medical Education in accrediting physical therapy programs. The strategy adopted at the November 4 meeting was to alleviate the most serious concerns of particular medical specialists with specific *Essentials* by developing mutually acceptable guidelines to assure uniform interpretation of those *Essentials*. When the proposed *Essentials* were considered by the AMA House of Delegates in December 1974, the AMA Legal Counsel advised that the Delegates were voting on the entire document i.e., *Essentials* and Guidelines and pointed out legal and ethical problems associated with certain portions of the Guidelines. The House of Delegates voted to refer the document back to the Council on Medical Education.

In March 1975, representatives of interested Specialty Section Councils, the APTA, and the AMA Council on Medical Education met to consider possible alternative courses of action open to the AMA. The APTA participants concurred that the revisions of the Guidelines suggested by AMA legal counsel markedly improved those Guidelines. It was acceptable to both APTA and AMA representatives that the Guidelines developed at the November 1, 1974 meeting and revised in accordance with suggestions from AMA Legal Counsel, would be included, interspersed with the *Essentials*, whenever the *Essentials* were published. Any proposed changes in these Guidelines would be circulated to interested Specialty Section Councils for comments before being acted upon by the Council on Medical Education. There was also consensus that all *Essentials* documents need frequent review and revision. In April 1975, the US Commissioner of Education advised the Council on Medical Education that a second, one-year extension of recognition for accrediting physical therapist education had been granted contingent upon "revision of physical therapist *Essentials* and resolution of the disagreement between APTA and AMA concerning such standards."

After careful consideration of all of the above factors and developments, the Council on Medical Education voted to "separate the *Essentials of an Accredited Educational Program for the Physical Therapist* from the Guidelines and to submit the *Essentials* to the House of Delegates with the request that the House approve them for two years. The Council further voted to authorize the appointment of a task force, to include representatives from the appropriate AMA Specialty Section Councils, to begin revising the *Essentials*.

The Joint AMA-APTA Ad Hoc Task Force on *Essentials* met in May 1975 and made substantial progress toward the goal of developing a document which would be satisfactory to all parties. At its June 1975 meeting, the AMA house of Delegates voted to postpone consideration of the version of the *Essentials* approved by the APTA House of Delegates in June 1974. This action was taken in recognition of the fact that some of the AMA Specialty Section Councils still considered portions of that version to be unacceptable, as well as the fact that meaningful exchanges of viewpoints had occurred at recent meetings of interested parties resulting in a much more acceptable version of the *Essentials*. Additional work by the ad hoc task force in August yielded a new version of the document which was reviewed by representatives of the APTA and AMA Specialty Section Councils during the fall and winter of 1975.

During the deliberations developing *Essentials* acceptable to both the AMA and APTA a new national structure for non-governmental recognition of accrediting agencies was established. The National Commission on Accrediting merged with the Federation of Regional Accrediting Commissions of Higher Education to form a new voluntary organization, the Council on Postsecondary Accreditation (COPA). COPA continued the recognition of accrediting agencies previously granted by NCA and began developing criteria for recognition by the new organization.

Members of the Council on Medical Education met with representatives of AMA Section Councils and of the APTA to address the concerns expressed by the Section Council representatives. A Joint AMA-APTA ad hoc Task Force on *Essentials* was appointed to begin work on another revision of the *Essentials*. In the meantime, APTA representatives urged the AMA to approve the 1974 version so that it might be used in conjunction with Guidelines which had been prepared by the Task Force as a means of clarifying the intent of some of the language in the 1974 *Essentials*.

The US Commissioner of Education advised the Council on Medical Education that a second one-year extension of recognition for accrediting physical therapist education had been granted contingent upon the revision of physical therapist *Essentials* and resolution of the disagreement between APTA and AMA concerning such standards.

In June, the AMA House of Delegates voted to postpone action on the *Essentials* pending the development of a new revision being prepared by the Joint Task Force. A few days later, upon hearing of the action taken by the AMA, the APTA House of Delegates instructed its Board of Directors to "take necessary actions to explore independent accreditation of physical therapy educational programs to include some means of collaborative relationships with other health disciplines with which the APTA shares common interest and to provide interim reports to the House of Delegates starting in 1976."

The AMA Council on Health Manpower voted to recognize the physical therapist assistant as a new emerging health occupation and recommended that the APTA work with the

AMA Council on Medical Education in developing *Essentials* for accreditation of educational programs for the physical therapist assistant.

The Joint AMA-APTA ad hoc Task Force on *Essentials* completed a revision of the version of the *Essentials* adopted by the APTA House of Delegates in June 1974, and sent the new version to the AMA Section Councils and to the education community of physical therapists for review and comment. The APTA proceeded to develop a separate petition for recognition by the USOE as an independent accrediting agency, while continuing to support the joint petition for recognition of the AMA in collaboration with the APTA. The rationale for this action was to ensure that the accrediting activity by CAHEA continued to be recognized during the phasing-in period of the APTA assuming full responsibility for accreditation activities in the field of physical therapy. The USOE granted continued recognition of the collaborative arrangement for a period of two years on the basis of progress that had been made in resolving differences, and also tabled the petition for independent recognition of the APTA for a two-year period.

The Task Force on *Essentials* reconvened and learned that the physical therapy education community had voiced strong objection to some of the proposed changes in the 1974 *Essentials*. The Task Force began work on another revision which might alleviate some of the concerns.

Staff of the Council on Postsecondary Accreditation met with AMA staff to review all of AMA's activities in accreditation and to reach some agreement on how these should relate to COPA recognition. In subsequent correspondence from COPA to the APTA, APTA personnel mistakenly interpreted the communications as notification that only the AMA would be recognized as the accrediting agency for physical therapy programs. This triggered a series of actions by the APTA which resulted in termination of APTA participation in the Joint Task Force on *Essentials* and scheduling of a special meeting to be held in conjunction with the APTA National Conference in June. Physical therapy educators and delegates to the national conference expressed the belief that the APTA should assume full responsibility for accrediting educational programs for their own field and that the accreditation process could be improved more readily by withdrawing from a collaborative relationship with the AMA and joining other independent accrediting agencies.

On June 30, 1976, the APTA House of Delegates voted to terminate the AMA-APTA collaborative process for accreditation of educational programs for physical therapist to be effective December 31, 1976. The American Medical Association regrets that the partnership accreditation process in which both the American Physical Therapy Association and the AMA's Council on Medical Education collaborated for forty years no longer exists.

In December 1976, the AMA House of Delgates delegated the authority to adopt *Essentials* to the Council on Medical Education. In January 1977, the Council adopted the revised *Essentials* prepared by the joint AMA-APTA ad hoc Task Force. These are the educational standards being used by the Committee on Allied Health Education and Accreditation (CAHEA) to evaluate allied health programs applying for accreditation. The accreditation activities of the Council were delegated to CAHEA, a committee more broadly representative of the community of interests.

Accreditation of physical therapist programs is now being conducted by two agencies. The Council on Postsecondary Accreditation (COPA) granted recognition to the American Physical Therapy Association to accredit educational programs for the physical therapist in April 1977. COPA reviewed CAHEA for recognition to accredit programs in physical therapy during October 1977. COPA continued recognition of CAHEA until April 1978 when CAHEA was asked to demonstrate greater acceptance by the community of interests of its accrediting activity for physical therapist programs. Recognition has been extended while CAHEA continues to provide information demonstrating acceptance by the community of interests.

The US Commissioner of Education's Advisory Committee on Accreditation and Institutional Eligibility met in June 1977 and voted to recommend that the Commissioner recognize the Committee on Allied Health Education and Accreditation and also the American Physical Therapy Association as accrediting agencies for educational programs for the physical therapist. The Commissioner concurred with this recommendation in August 1977. APTA was recognized by the US Office of Education for two years until 1979. CAHEA was granted recognition to accredit physical therapist programs until a comprehensive review of CAHEA's accrediting activities was conducted by USOE in June 1978. In December 1978, the Commissioner's Advisory Committee recommended withdrawal of recognition of CAHEA for the accreditation of physical therapy education programs, a recommendation subsequently accepted by the Commissioner. Final action by USOE has not yet been taken. CAHEA continues to accredit these programs.

In August 1977 the Review Committee for Physical Therapy Education met to make program accreditation recommendations. The Review Committee provides a forum for comment from the community of interests on the *Essentials of an Accredited Educational Program for the Physical Therapist* as part of a continual review process for educational standards.

In March 1979, the Council on Medical Education adopted the revised *Essentials of an Accredited Educational Program for the Physical Therapist*, approved the accompanying Guidelines, and approved new collaborating relationships with the National Association of Physical Therapists (NAPT) and the United States Physical Therapy Association (USPTA). The Council also voted to extend formal invitation to all other medical specialty and allied health organizations having a direct relationship to physical therapy education, including the APTA, to participate as sponsors in the Joint Review Committee for Physical Therapy Education.

Essentials: Each new program is assessed in accordance with the *Essentials*, and accredited programs are reviewed periodically to determine whether they continue to meet the standards. In January 1977 the AMA Council on Medical Education adopted revised *Essentials*. *Essentials* were revised more recently and adopted by the Council on Medical Education in March 1979. Accompanying Guidelines were also approved. The *Essentials* with Guidelines appear in Appendix A of the *Directory*.

Application: Applications for CAHEA accreditation may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. All applications should be endorsed by the program director and the chief administrator of the sponsoring institution.

Self-Analysis: The process of completing the application for CAHEA accreditation requires that the program faculty, administrative personnel, and students evaluate the program being conducted to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the team in preparation for the on-site evaluation.

Program Review: The complete report of the self-study/application is reviewed by the Joint Review Committee for Physical Therapy Education. An on-site evaluation by a qualified team is then arranged. The on-site evaluation and supplementary materials are reviewed by the Joint Review

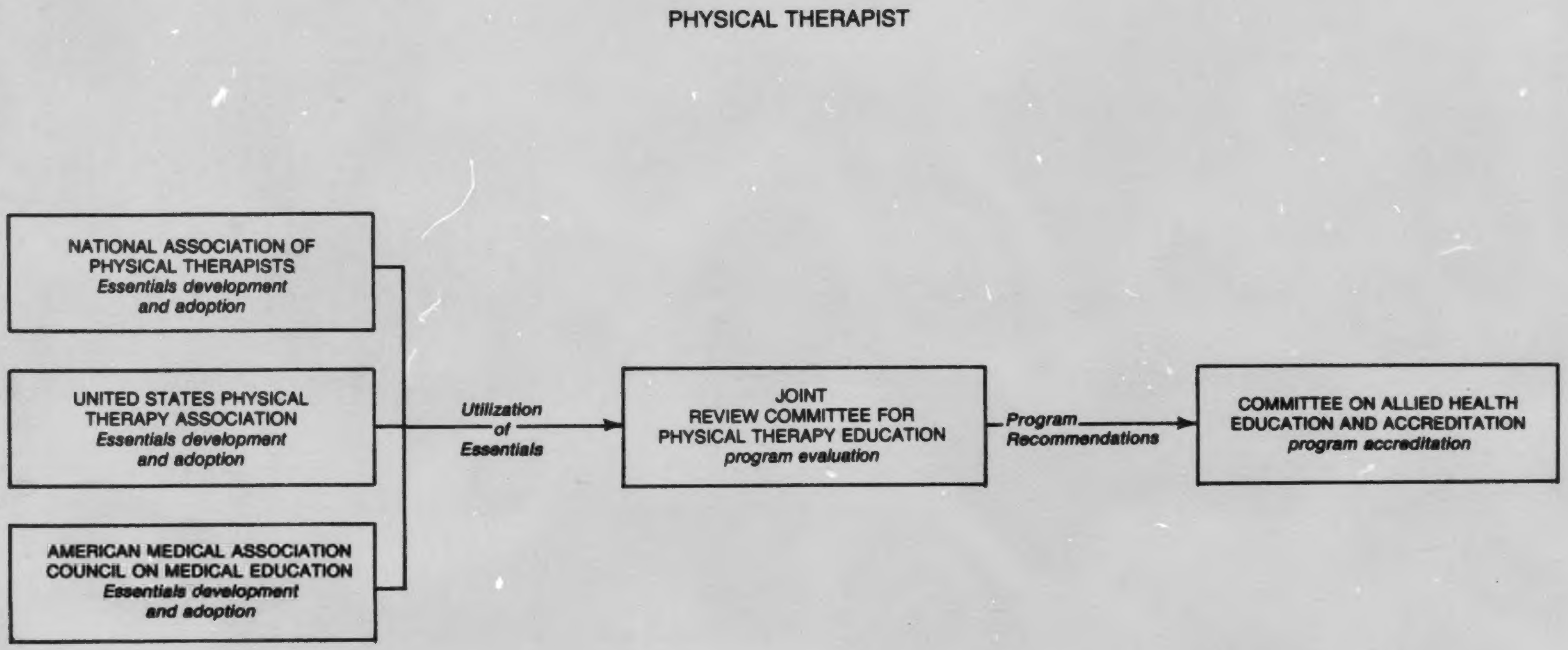

PHYSICAL THERAPIST
NATIONAL ASSOCIATION OF PHYSICAL THERAPISTS
Essentials development and adoption
UNITED STATES PHYSICAL THERAPY ASSOCIATION
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE FOR PHYSICAL THERAPY EDUCATION
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-15—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the physical therapist.

Committee on Physical Therapy Education and an accreditation recommendation is made to the Committee on Allied Health Education and Accreditation.

The members of the Review Committee for Physical Therapy Education include three physical therapists (an educator, administrator, and practitioner), three physicians (an educator, administrator, and practitioner who have special knowledge of physical therapy and the related disciplines of neurology orthopaedics, and physical medicine and rehabilitation), a representative or higher education, and a student physical therapist.

Members as of March 1979 are as follows:

James P. Ahstrom, Jr., MD
Downers Grove, IL

Benjamin T. Cullen, Jr., EdD, *Chairman*
Richmond, VA

Jane Foster, RPT
LaGrange, GA

Ellen Carter-Joynt, RPT, PhD
Ann Arbor, MI

William R. Kennedy, MD
Minneapolis, MN

Richard S. Materson, MD
Houston, TX

Nathaniel Shipp, RPT
Bridgeton, MO

Accreditation: The review committee, which is non-governmental and makes objective judgments using parliamentary procedures, was established to review reports from CAHEA teams evaluating educational programs for the physical therapist. The committee makes accreditation recommendations to CAHEA, which grants the actual accreditation.

Fees for Accreditation Services: Financial costs for CAHEA-accreditation of educational programs for the physical therapist are met by the AMA.

Maintaining Accreditation: To remain accredited, each program must be periodically reevaluated to determine whether it is maintaining compliance with the *Essentials*. The initial evaluative process is repeated whereby the program completes an application for renewal of accreditation, is reevaluated, and the on-site report and supporting materials are evaluated by the review committee. The review committee then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation. A program should be reevaluated once every five years or more frequently, if indicated.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn Street
Chicago, IL 60610
(312) 751-6297
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Robert B. Parks, PhD

Review Committee for Physical Therapy Education
School of Allied Health Professions
Medical College of Virginia Campus
Virginia Commonwealth University
Box 233, MCV Station
Richmond, VA 23298
(804) 786-0829
Chairman: Benjamin T. Cullen, Jr., EdD

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

National Association of Physical Therapists, Inc.
PO Box 367
West Covina, CA 91793
(213) 331-4066
President: John J. Mustari, PhD
Member, CAHEA Panel of Consultants: Richard Hardenbrook, PhD

United States Physical Therapy Association
1803 Avon Lane
Arlington Heights, IL 60004
(312) 255-6740
President: Alex Krostenko, RPT
Member, CAHEA Panel of Consultants: (Vacancy)

PHYSICIAN'S ASSISTANT

ASSISTANT TO THE PRIMARY CARE PHYSICIAN*
SURGEON'S ASSISTANT

Liaison for the Department of Allied Health Evaluation
Lawrence M. Detmer, MHA, Assistant Director,
(312) 751-6280
Cynthia Gordon, Program Assistant, (312) 751-6276

History: The profession of the physician's assistant originates in the mid-1960's with the leadership of such institutions as Duke University, the University of Colorado, and the University of Washington. The early 1970's brought a rapid growth in the number of such educational programs which were supported with funding appropriated under the authority of the Health Manpower Act of 1972. This funding also supported some of the initial organization and administration of the national program for the accreditation of educational programs in this field.

Initial interest in the development of national accreditation standards for the education of assistants to primary care physicians was expressed by the American Society of Internal Medicine. By 1971 standards had been developed collaboratively by a committee composed of representatives from the following medical specialty societies: American Academy of Family Physicians, American Academy of Pediatrics, the American College of Physicians, Association of American Medical Colleges, American College of Obstetrics and Gyne-

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***This is a generic term which encompasses such titles as physician's assistant, physician associate, MEDEX, child health associate, health associate, clinical associate, community health medic.**

cology; the nursing profession; and educators of this type of assistant. These standards were adopted in that year by the American Medical Association, American Academy of Family Physicians, American Academy of Pediatrics, American College of Physicians, and American Society of Internal Medicine.

Early in 1972 the medical specialty organizations which had adopted the new educational standards established the Joint Review Committee on Educational Programs for the Assistant to the Primary Care Physician. A principle function of the Committee is to assess the extent to which applicant programs are in compliance with the *Essentials* for the Assistant to the Primary Care Physician and the *Essentials* for the Surgeon's Assistant. And further, to formulate recommendations from accreditation to the AMA Council on Medical Education. This Committee was composed of three representatives from each of the four sponsoring organizations. In April of 1973, the Committee appointed three graduate physician's assistants to serve as members-at-large for one-year terms. By March 1974 the sponsors of the Committee and the American Medical Association had recognized the American Academy of Physician's Assistants as the fifth sponsor of the Joint Review Committee.

Recognition for compliance with the U.S. Office of Education standards for national accrediting agencies was received by the Committee on Allied Health Education and Accreditation and the Joint Review Committee initially in 1974 and subsequently in 1978. The accrediting program has also received the maximum term of recognition awarded by the Council on Postsecondary Accreditation.

As a result of discussions initiated in 1975, the review committees for the assistant to the primary care physician and surgeon's assistant were brought together in 1976 into the unified Joint Review Committee on Educational Programs for Physician's Assistants. On petition from the Association of Physician Assistant Programs, the collaborating sponsoring organizations of the Joint Review Committee and the American Medical Association recognized it as the seventh sponsor of the committee in 1978.

Following a two-year consultation with accredited educational programs, sponsors of the accreditation program and others, revised *Essentials* were adopted for the education of assistants to primary care physicians in 1978.

Under contract with the U.S. Department of Health, Education and Welfare, the American Academy of Physician Assistants developed and has published two curriculum resource documents. The first volume is entitled, *Roll Delineation;* the second, *Curriculum Resource Guide.* These are available from the Academy for $18 per set, prepaid. Publication was made in 1976.

Accreditation of Orthopaedic and Urologic Physician's Assistants Accreditation was offered for a brief period of time for orthopaedic and urologic physician's assistants. It is interesting to note that unlike the *Essentials* for the education of the surgeon's assistant and the assistant to the primary care physician, the standards for education of the urologic and orthopaedic physician's assistant did not require education and training to competence in eliciting a comprehensive health history and in performing a comprehensive physical examination. At least one program in these fields did provide for preparation in these patient care functions.

Minimum educational standards for physician assistant education were first adopted by the AMA House of Delegates in 1969 upon recommendation from the American Academy of Orthopaedic Surgeons. Eight orthopaedic PA programs were accredited by 1973. In January 1974 the Academy announced its withdrawal from the accreditation effort due to reported problems graduates were encountering in obtaining employment and to some concerns regarding "overtraining." After substantial consultation with the Academy, the AMA informed the accredited programs that accreditation would be discontinued upon graduation of the classes which would matriculate in the fall of 1974. Historically, accreditation efforts are not sponsored without the expressed support and involvement of medical specialty societies and related national allied health organizations which are most closely associated with an occupation. Several accredited orthopaedic physician assistant programs have been discontinued.

In June, 1972, on recommendation from the American Urological Association, the AMA House of Delegates adopted minimal standards for the education of urologic physician's assistants. Two programs were accredited. On recommendation from the American Urological Association in 1976, the AMA discontinued this accreditation efforts in 1977. These actions resulted largely from an apparent limited interest within the medical specialty for this type of assistance and, in view of the fact that of the two programs accredited, only one remained operational with few students matriculated. The American Medical Association's accreditation of this program concluded with the closing of the program.

Essentials: The *Essentials of an Accredited Educational Program for the Assistant to the Primary Care Physician* are minimum acceptable standards which were adopted, as revised in 1978, by the American Academy of Family Physicians, American Academy of Pediatrics, American Academy of Physician Assistants, American College of Physicians, American College of Surgeons, American Society of Internal Medicine, Association of Physician Assistant Programs and American Medical Association. The *Essentials of an Accredited Educational Program for the Surgeon's Assistant* are minimum acceptable standards which were adopted in 1974 by the American College of Surgeons and the American Medical Association. Applicant programs which seek initial and continuing accreditation are assessed in accordance with these minimum standards. The *Essentials* appear in Appendix A of the *Directory.*

Application: Application forms and information on the application process of the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Seven copies of the completed application form and supporting information are to be sent to the Department. All copies should include the signatures of the chief administrative officer of the program's sponsoring institution, the program director, and the program's medical director. Each copy of the application serves a purpose: the original is placed in the Committee on Allied Health Education and Accreditation archives, three copies are used by those who conduct the on-site evaluation of the program, two copies are used by members of the Joint Review Committee on Educational Programs for Physician's Assistants, and one functions as a working reference copy for staff.

Self-Analysis: Programs applying for initial and continuing accreditation are required to provide evidence of having conducted a self-analysis. In the event that documentation of the self-analysis process and results is being or has been prepared as a part of a larger study for a sponsoring institution's application for recognition from a regional accrediting agency, this documentation would most likely be acceptable to the Joint Review Committee.

The self-analysis should be a qualitative assessment of the program's achievement of its objectives, the appropriateness of those objectives and the program's strengths and limitations in maintaining compliance with the *Essentials.* The process should involve a representative number of the administrative staff, teaching faculty, students, graduates, advisors, staff of the sponsoring institution, and other constituencies. In fulfilling this requirement, programs are to provide a synopsis which states when the formal self-analysis was initiated, the method by which it was conducted, and a synopsis of the findings, conclusions and plans resulting from the effort.

Program Review: After an application, its supporting information, and the self-analysis report are reviewed by the AMA staff for completeness, mutually convenient dates for an on-site evaluation are arranged with the program's administration and a survey team of three to four individuals is appointed to conduct the evaluation. Teams consist of a heterogeneous group of individuals and include physicians who are experienced and knowledgeable about primary care and surgery, physician's assistants, surgeon's assistants, educators of physician assistants, or others knowledgeable about education.

The purpose of the on-site evaluation is to assess the extent to which the program meets or exceeds the *Essentials.* A written report of on-site evaluation is prepared by the evaluators before their presentation of an oral report of their findings at the conclusion of the evaluation visit. A written summary of this report is shared with the applicant program and its sponsor for review and comment before consideration of the program's application by the Joint Review Committee.

Two members of the Joint Review Committee conduct an in-depth review of the application, the report of on-site evaluation, all additional documentation acquired during and following the evaluation, and then present to the full committee in meeting their evaluations of the program's relative compliance with the *Essentials.* The Joint Review Committee determines the extent to which the applicant program merits accreditation and formulates an appropriate recommendation for action by the Committee on Allied Health Education and Accreditation.

The membership of the Joint Review Committee is composed of three representatives from each of its seven collaborating sponsors:

American Academy of Family Physicians
D. Robert Howard, MD
Cheyenne, WY
Frederic L. Schoen, MD, *Chairman*
Indianapolis, IN
Tommy K. Stapleton, MD
Douglas, GA

American Academy of Pediatrics
Leo S. Bell, MD
San Mateo, CA
Paul S. Goldstein, MD
New Haven, CT
(Vacancy)

American Academy of Physician Assistants
J. Jeffrey Heinrich, PA-C
New Haven, CT
Gayle C. Spears, CHA, PAC
Denver, CO
Dean R. Stelton, PA-C
Marshfield, WI

American College of Physicians
Robert B. Chevalier, MD
Beech Grove, IN
Rolf M. Gunnar, MD
Maywood, IL
Charles N. Mullican, MD
St. Joseph, MO

American College of Surgeons
Peter A. Dineen, MD
New York, NY
H. Newland Oldham, Jr., MD
Durham, NC
Robert L. Replogle, MD
Chicago, IL

American Society of Internal Medicine
Marvin Baum, MD
Worcester, MA
John L. McCain, MD
Wilson, NC
Peter G. Tuteur
St. Louis, MO

Association of Physician Assistant Programs
Linda K. Davies, PA-C
Washington, DC
E. Harvey Estes, Jr., MD
Durham, NC
Frances L. Horvath, MD
St. Louis, MO

Accreditation: CAHEA grants accreditation to programs which it considers to be in compliance with the *Essentials.* Should CAHEA question the recommendation of the Joint Review Committee, it is returned for further consideration. The chief executive officer of the institution sponsoring the program and other principal administrators are informed of the CAHEA accreditation decision in writing.

Fees for Accreditation Services: Even though on-site evaluators serve without honoraria, fees are required to underwrite the major portion of their travel and related expenses incurred while participating in the evaluation. Programs filing an initial application for accreditation, and accredited programs, are required to pay an annual aggregate fee of $350. This fee is composed of two parts as defined by CAHEA: an annual program fee of $200 and an annualized on-site evaluation fee of $150. It should be understood that these monies are used solely for the purpose of underwriting the expenses of on-site evaluators. The sponsoring organizations of the Joint Review Committee underwrite the expense of their representatives participation in the committee and contribute an annual fund to cover other expenses, such as those incurred in the work relating to standards for national accrediting agencies. The AMA contributes staff support to the Joint Review Committee and underwrites the cost of its staff's participation in on-site evaluations.

Checks should be made payable to the Joint Review Committee on Educational Programs for Physician's Assistants and be accompanied by a letter stating the amount of payment, and the date and number of the check. Both should be sent to the attention of the Comptroller, American Academy of Physician Assistants, 2341 Jefferson Davis Hwy, Suite 700, Arlington, VA 22202 (702) 920-5731.

Maintaining Accreditation: Once a year accredited programs receive Annual Report forms from the AMA Department of Allied Health Evaluation. As required by the *Essentials,* these must be completed and returned within the designated time to avoid jeopardizing the program's accreditation status. Accredited programs are reviewed for their continuing compliance with *Essentials* at least every five years by the Joint Review Committee and CAHEA.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of

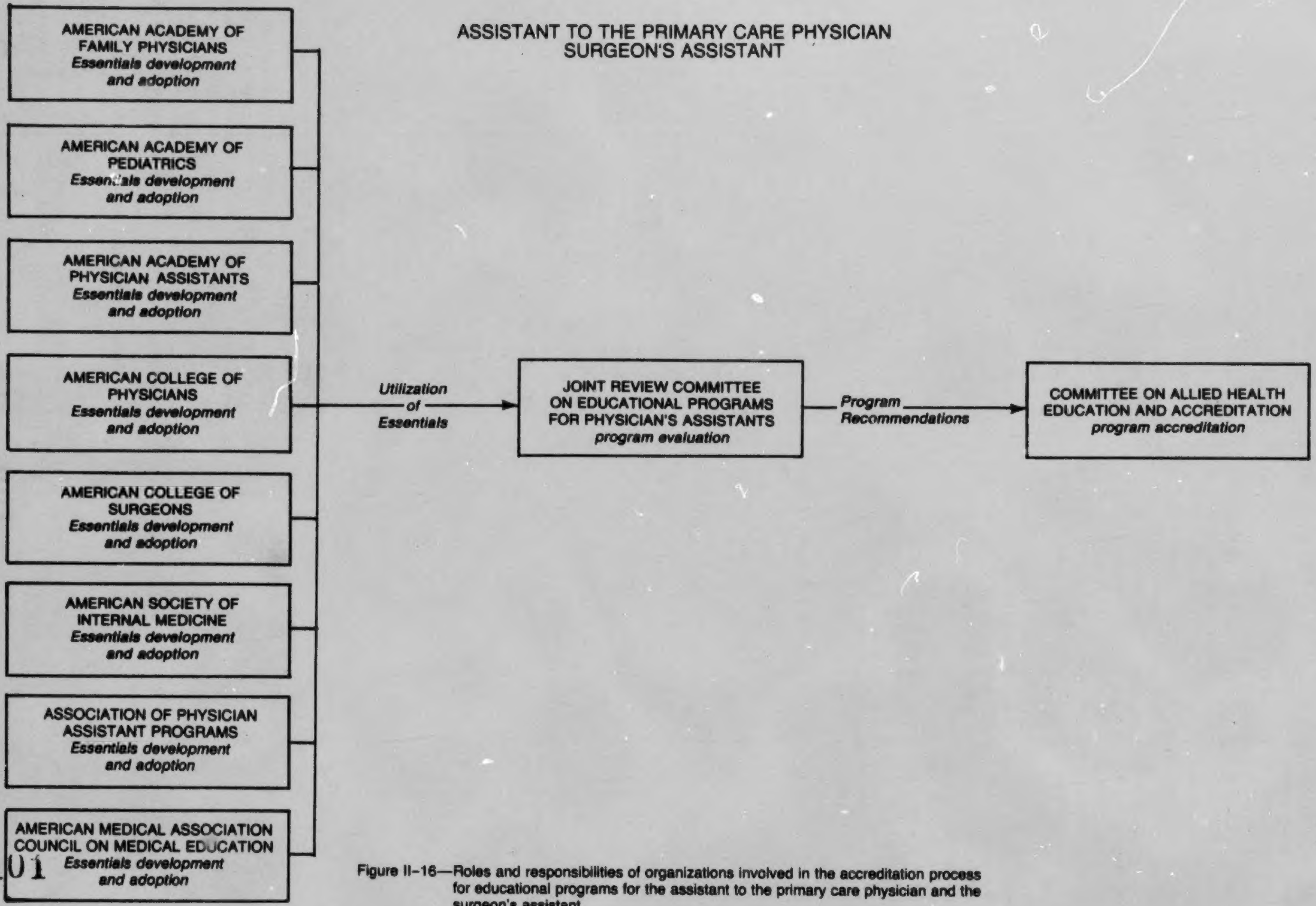
ASSISTANT TO THE PRIMARY CARE PHYSICIAN
SURGEON'S ASSISTANT
AMERICAN ACADEMY OF FAMILY PHYSICIANS
Essentials development and adoption
AMERICAN ACADEMY OF PEDIATRICS
Essentials development and adoption
AMERICAN ACADEMY OF PHYSICIAN ASSISTANTS
Essentials development and adoption
AMERICAN COLLEGE OF PHYSICIANS
Essentials development and adoption
AMERICAN COLLEGE OF SURGEONS
Essentials development and adoption
AMERICAN SOCIETY OF INTERNAL MEDICINE
Essentials development and adoption
ASSOCIATION OF PHYSICIAN ASSISTANT PROGRAMS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR PHYSICIAN'S ASSISTANTS
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-16—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the assistant to the primary care physician and the surgeon's assistant.

the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6272
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director:

*Joint Review Committee on Educational Programs for Physician's Assistants
Department of Allied Health Evaluation
535 N Dearborn St
Chicago, IL 60610
(312) 751-6280
Secretary: L. M. Detmer, MHA
Chairman: F. L. Schoen, MD
Vice-chairman: Gayle C. Spears, CHA, PA-C

American Academy of Family Physicians
1740 W 92nd St
Kansas City, MO 64114
(816) 333-9700
President: W. Jack Stelmach, MD
Executive Director: Roger B. Tusken
Member, CAHEA Panel of Consultants: Robert H. Shackelford, MD

American Academy of Pediatrics
1801 Hinman Ave
Evanston, IL 60204
(312) 869-4255
President: Edwin L. Kindig, Jr., MD
Executive Director: Robert J. Frazier, MD
Member, CAHEA Panel of Consultants: Lawrence Kahn, MD

*American Academy of Physician Assistants
2341 Jefferson Davis Hwy, Suite 700
Arlington, VA 22202
(703) 920-5732
President: Ron Ross, PhD
Executive Director: Donald W. Fisher, PhD
Member, CAHEA Panel of Consultants: Thomas R. Godkins, PA

American College of Physicians
4200 Pine St.
Philadelphia, PA 19104
(215) 254-1200
President: Richard W. Vilter, MD
Executive Director: Robert H. Moser, MD
Member, CAHEA Panel of Consultants: Rolf M. Gunnar, MD

American College of Surgeons
55 East Erie St
Chicago, IL 60611
(312) 664-4050
President: William A. Altemeier, MD
Executive Director: C. Rollins Hanlon, MD, FACS
Member, CAHEA Panel of Consultants: Charles G. Halgrimson, MD

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

American Society of Internal Medicine
2550 M Street, NW, Suite 620
Washington, DC 20037
(202) 659-0330
President: James A. Collins, MD
Executive Director: William R. Ramsey
Member, CAHEA Panel of Consultants: John L. McCain, MD

Association of Physician Assistant Programs
2341 Jefferson Davis Hwy, Suite 700
Arlington, VA 22202
(703) 920-5732
President: Thomas R. Godkins, PA
Executive Director: Donald W. Fisher, PhD
Member, CAHEA Panel of Consultants: (Vacancy)

RADIOLOGIC TECHNOLOGY

RADIOGRAPHER
RADIATION THERAPY TECHNOLOGIST

Liaison for the Department of Allied Health Evaluation
Hannah L. Hedrick, PhD, Assistant Director,
(312) 751-6270

History: A long process of stabilizing standards of education and establishing qualifications for registration was culminated in 1944, when the AMA House of Delegates adopted the first *Essentials of an Accredited School of X-Ray Technology*. These *Essentials* (minimum educational standards used to evaluate programs for accreditation) resulted from negotiations between the Council on Medical Education and Hospitals of the AMA and the executive committee of the American Society of X-Ray Technicians. The American Society of X-Ray Technicians (now the American Society of Radiologic Technologists) subsequently contributed to the establishment and elevation of educational standards for radiologic technology through the varied activities of its education committee, especially in the areas of curriculum development and instructor preparation. In fact, the *Curriculum and Teacher's Syllabus* for two-year schools, made available in 1960, provided the teaching tools that enabled the 1960 *Essentials* to stipulate that all x-ray technology programs accredited by the Council on Medical Education and Hospitals of the AMA had to be at least two years in length.

The current *Essentials of an Accredited Educational Program for the Radiographer* were adopted in 1978 by the American College of Radiology (ACR) and the American Society of Radiologic Technologists (ASRT), the two organizations collaborating with the AMA Council on Medical Education in developing, revising, and adopting *Essentials*.

Radiation therapy technology has been recognized as a separate discipline within radiologic technology since 1964.

when the first certifying examination was administered by the American Registry of Radiologic Technologists (ARRT). The first set of *Essentials for Radiation Therapy Technology*, adopted by the AMA House of Delegates in 1968, applied only to one-year programs, since almost all technologists entering he field of radiation therapy at that time were recruited from radiography and nursing. In 1972, the AMA House of Delegates provided for two-year programs by approving *Essentials* for programs with a minimum entrance level of a high school degree.

In 1975 the American College of Radiology (ACR) and the American Society of Radiologic Technologists (ASRT) formed a conjoint committee to combine the separate sets of *Essentials* for one- and two-year programs for radiation therapy technologists into a single document that would establish standards for all types of radiation therapy technology programs leading to certification by the ARRT. This current set of *Essentials* was adopted by the AMA House of Delegates in 1976.

In addition to their collaborative effort with regard to the *Essentials*, the ACR, a professional organization representing physician specialists, and the ASRT, a professional organization representing radiologic technologists, cooperate with the Committee on Allied Health Education and Accreditation (CAHEA) in the accreditation of allied health educational programs. The ACR and ASRT appoint representatives to the Joint Review Committee on Education in Radiologic Technology, which evaluates educational programs in radiography for accreditation; forwards its accreditation recommendations to CAHEA; and provides consultation and guidance to educational programs. The Joint Review Committee also plays a major role in the development and revision of *Essentials*.

In addition to its support of the accreditation process in providing representatives to the Joint Review Committee, the ASRT continues to make significant contributions to the development of radiologic technology. The organization sponsors numerous educational programs for all radiologic technologists both during its annual convention and at various locations throughout the year. The ASRT also publishes the *Curriculum Guide for Programs in Radiologic Technology* and the *Syllabus for Radiation Therapy Technology;* provides consultation in the areas of curriculum development and instructor preparation; and compiles and distributes various educational material. Moreover, ASRT maintains a *History of the ASXT*, which also contains detailed information about the profession as a whole.

Essentials: *Essentials* are minimum educational standards adopted by the American Society of Radiologic Technologists. Each new program is assessed in accordance with the *Essentials*, and accredited programs are periodically reviewed to determine whether or not they remain in substantial compliance. There are separate *Essentials* for educational programs for radiation therapy technologists and radiographers. The *Essentials* with Guidelines appear in Appendix A of the *Directory*.

Application: Application forms and information on the application process for accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Two copies of completed application forms, signed by the chief administrator of the sponsoring institution and by the director of the educational program, as well as requested supplementary material, should be returned directly to the Department of Allied Health Evaluation. A copy of all application materials is forwarded to the Joint Review Committee on Education in Radiologic Technology.

Self-Analysis: After a program has submitted an application requesting consideration for CAHEA accreditation, the Joint Review Committee on Education in Radiologic Technology assists the program in preparing a documented self-evaluation (based on the *Essentials* and Guidelines), which includes identification of strengths, weaknesses, and areas of concern. The Joint Review Committee staff appraises the self-evaluation and then arranges for a site visit by a team which includes a qualified radiologist and radiologic technologist. The site visit report submitted by the team and additional relevant materials are reviewed by the Joint Review Committee, which then makes an appropriate accreditation recommendation to the Committee on Allied Health Education and Accreditation.

Program Review: The Joint Review Committee on Education in Radiologic Technology, which includes three members appointed by the American College of Radiology and three members by the American Society of Radiologic Technologists, administers the voluntary peer review accreditation process, including both the initial evaluation and periodic resurveys, of educational programs in radiography and radiation therapy technology. Assisted by a staff specialist in each professional area, the Joint Review Committee also plays a major role in developing and revising *Essentials* and in providing consultation and guidance to educational programs.

As of June 1979, the members of the Joint Review Committee on Education in Radiologic Technology are:

American College of Radiology
Quintous Crews, Jr., Capt, MC, USN
Bethesda, MD

C. Jules Rominger, MD, *Chairman*
Philadelphia, PA

Jonathan L. Stolz, MD
Reading, PA

American Society of Radiologic Technologists
Virginia Milligan, RT(R)
Phoenix, AZ

James Ohnysty, RT(R)
Houston, TX

Gregory Trovato, RT(R)
Orlando, FL

Accreditation: Recommendations of the Joint Review Committee on Education in Radiologic Technology are evaluated by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs in substantial compliance with the *Essentials*. The appropriate officials of the institution sponsoring the program are informed by letter of CAHEA's accreditation decision.

Fees for Accreditation Services: The Joint Review Committee on Education in Radiologic Technology assesses an annual fee of $200 to each sponsoring institution and of $25 to each major clinical education center in an accredited educational program in radiologic technology. Sponsoring institutions pay $300 for each site visit. Assessment of such fees helps to defray the costs of administration and of site visits. The American Medical Association does not participate in the collection of such fees or in the disbursement of the collected funds.

Maintaining Accreditation: To maintain accreditation, each program must complete and return the Annual Report form provided by the Department of Allied Health Evaluation. In addition, each program will be periodically reviewed by the Joint Review Committee on Education in Radiologic Technology to determine whether or not it is maintaining substantial compliance with the *Essentials*. A program should be reviewed once every five years or more frequently, if so indicated in the accreditation decision or if so warranted by post-

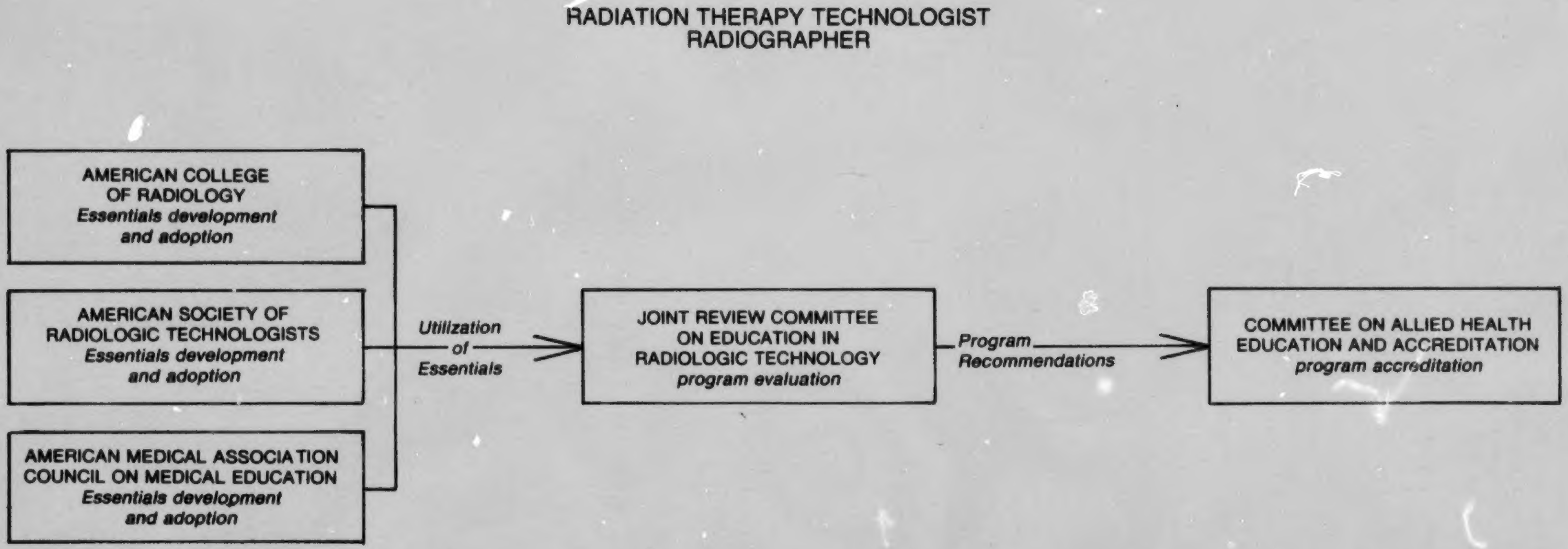
RADIATION THERAPY TECHNOLOGIST
RADIOGRAPHER
AMERICAN COLLEGE OF RADIOLOGY
Essentials development and adoption
AMERICAN SOCIETY OF RADIOLOGIC TECHNOLOGISTS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE ON EDUCATION IN RADIOLOGIC TECHNOLOGY
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-17—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the radiologic technologist and radiation therapy technologist.

accreditation circumstances. Programs undergoing review prepare a documented self-evaluation and undergo a site visit. The Joint Review Committee evaluates the program materials and then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation.

Participating Organizations: The following organizations are involved in accreditation process. Included is the Department of Allied Health Evaluation of the American Medical Association as the liaison between programs, review committees, collaborating organizations and the Committee on Allied Health Education and Accreditation; the review committee; and the collaborating organization(s). The organizations with asterisks by their names may be contacted for further information. Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6270
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Hannah L. Hedrick, PhD

*Joint Review Committee on Education in Radiologic Technology
307 N Michigan Ave, Suite 1801
Chicago, IL 60611
(312) 726-9150
Executive Director: Robert L. Coyle, RT(R) (ARRT)
Chairman: C. Jules Rominger, MD
Vice-Chairman: James Ohnesty, RT(R) (ARRT)

American College of Radiology
20 N Wacker Dr
Chicago, IL 60606
(312) 236-4963
President: Byron G. Brogdon, MD
Executive Director: William C. Stronach, JD
Deputy Executive Director: Robert E. Becker, JD
Chairman, Commission on Human Resources: Helmut A. Mueller, MD
Member, CAHEA Panel of Consultants: Helmut A. Mueller, MD

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

*American Society of Radiologic Technologists
55 E Jackson, Suite 1820
Chicago, IL 60604
(312) 922-3962
President: Daniel P. Donahue, RT(R) (ARRT)
Executive Director: Ward M. Keller, RT(R) (ARRT)
Director of Education: Marilyn Fay, RT(R) (ARRT)
Member, CAHEA Panel of Consultants: Marilyn Fay, RT(R) (ARRT)

RESPIRATORY THERAPY

RESPIRATORY THERAPY TECHNICIAN
RESPIRATORY THERAPIST

Liaison for the Department of Allied Health Evaluation
Robert B. Parks, PhD, Assistant Director, (312) 751-6297
Betty Jones, Program Assistant, (312) 751-6274

History: The relatively new health occupation of respiratory therapy has experienced rapid growth. Prior to June 1972, the AMA was authorized to evaluate and approve 18-month (two academic years) programs for the preparation of inhalation therapy technicians. Through common usage, the graduates of these programs came to be called inhalation therapists as one-year programs developed. Until the new *Essentials* were adopted in June 1972, there was no mechanism for evaluating and accrediting one-year programs in this field. The adoption of new educational *Essentials* provided for the approval of one-year "technician" programs and two-year "therapist" programs, and acknowledged the change in name from "inhalation" to "respiratory."

In June 1956 the House of Delegates of the AMA considered a resolution introduced by the New York State Medical Society regarding the field of inhalation therapy and recommended the establishment of *Essentials* to stimulate the development of programs. This was adopted in principle and referred to the Council on Medical Education for study. Representatives of organizations interested in inhalation therapy were invited to attend a conference in Chicago in September 1957. It was agreed that minimum standards for training should be developed. The *Essentials* proposed by the New York State Society of Anesthesiologists in May 1956 were approved as a basic document for study and exploration. The American Society of Anesthesiologists and the American College of Chest Physicians were delegated to evaluate the proposed curriculum and to obtain experience in inhalation therapy education.

From September 1957 to January 1962 several pilot programs adopted the proposed curriculum to varying degrees and found that the minimum standards represented a realistic approach in education. The earlier Essentials, with minor modifications, were adopted by the AMA House by Delegates in 1962.

A Board of Schools of Inhalation Therapy, which first met in 1963, was established to assist the Council on Medical Education in evaluating programs that applied for AMA accreditation. It was comprised of representatives of the American Association for Inhalation Therapy (which had been established in 1956), the American College of Chest Physicians and the American Society of Anesthesiologists.

The relatively new field of inhalation therapy was rapidly developing and changing. Prior to 1957, departments, if they existed, were labeled "oxygen therapy" and workers were most often orderlies. Almost as rapidly as programs were established new equipment and innovations in procedure required that inhalation therapy workers have more knowledge, increased skills, and preparation to assume more responsibility. Consequently, a revision of the *Essentials* was prepared in 1967 and adopted by the House of Delegates of the American Medical Association in 1967.

The American Registry of Inhalation Therapists was established in 1960 for the purpose of granting recognition to individuals who fulfilled educational and work-experience criteria and who passed written and practical examinations administered by that autonomous body. In the late 1960s the critical need for additional trained manpower in this field led to the establishment of semi-formal hospital-based educational programs, one year or less in length, designed to prepare inhalation therapy technicians. In 1969, the American Association for Inhalation Therapy established a Technician Certification Board to grant recognition to those individuals who met requirements established by the TCB. Concurrently, the Board of Schools was reorganized into the Joint Review Committee for Inhalation Therapy.

At the annual meeting in December 1972, the American Association for Inhalation Therapy (AAIT) changed its name to the American Association for Respiratory Therapy, thereby becoming the AART. In January 1973, their national office was moved from Riverside, California to Dallas, Texas. Also in 1973, a third medical specialty society, the American Thoracic Society, assumed sponsorship of the AART and the Joint Review Committee for Respiratory Therapy Education.

On July 1, 1974, the National Board for Respiratory Therapy (NBRT) assumed responsibility for credentialing qualified respiratory therapy technicians and respiratory therapists. The NBRT was formed from a reorganization of the American Registry of Inhalation Therapists and merger with AART Technician Certification Board. Thus, the credential initials for a registered therapist were changed from ARIT to AART and the initials of a certified technician from CITT to CRTT. Also in 1974 the word "Respiratory" replaced the word "Inhalation" in the name of the Joint Review Committee for Respiratory Therapy Education. In 1977 the credential initials for a registered therapist were changed from AART to RRT.

In the Essentials of an Approved Educational Program for the Respiratory Therapy Technician and the Respiratory Therapist adopted in June 1972, the requirements for a one-year technician program and a two-year therapist program were deliberately combined into a single document. In addition, the distinction between curriculum content of a technician program and that of a therapist program was purposefully vague because the actual job functions in many medical settings were not greatly different. The only guidance provided was that the "coverage for one-year programs will necessarily be more specific and limited while amplification is recommended in two-year or longer courses to emphasize understanding as well as technical competence." Similarly, the qualifications which would be acceptable for holding key administrative and teaching positions in a program were also vague in recognition of the actual shortage of individuals with the most desirable credentials.

Experience since the last *Essentials* were adopted in 1972 has led to a greater differentiation between the two levels of occupations. Certain obvious distinctions between the respiratory therapy technician and respiratory therapist has made two separate documents a logical solution. Consequently two separate sets of *Essentials* were drafted, one for the respiratory therapy technician and another for the respiratory therapist. The revisions of the 1972 document were developed under the leadership of the Joint Review Committee for Respiratory Therapy Education, in consultation with the four sponsoring organizations: American Association for Respiratory Therapy, American College of Chest Physicians, American Society of Anesthesiologists, and the American Thoracic Society.

All appropriate review procedures were completed by the Joint Review Committee for Respiratory Therapy Education, including a public hearing. Both documents were given the full support and endorsement of the four sponsoring organizations along with the AMA Section Council on Diseases of the Chest; AMA Section Council on Anesthesiology, and the Joint Review Committee for Respiratory Therapy.

The Committee on Allied Health Education and Accreditation (CAHEA) on April 4, 1977, voted to recommend the 1977 *Essentials of an Accredited Educational Program for the Respiratory Therapist* and the 1977 *Essentials of an Accredited Educational Program for the Respiratory Therapy Technician* to the Council on Medical Education for adoption.

The AMA Council on Medical Education held two open hearings on the *Essentials*, in June and September of 1977, and the *Essentials* were widely distributed to assure adequate input from the community of interests. The Council on Medical Education adopted the *Essentials* at their September 1977 meeting.

Essentials: *Essentials* are minimum educational standards developed by the Joint Review Committee for Respiratory Therapy Education in collaboration with the American Association for Respiratory Therapy, American College of Chest Physicians, American Society of Anesthesiologists, American Thoracic Society, and the American Medical Association. Each new program is assessed in accordance with the *Essentials*, and established programs are reviewed periodically to determine whether they continue to meet the standards. The *Essentials* for Respiratory Therapy Technician and Respiratory Therapist were last revised September 1977. The *Essentials* with Guidelines appear in Appendix [illegible] of the *Directory*.

Application: Applications for CAHEA accreditation may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St Chicago, IL 60610. All applications should be endorsed by the program director and the chief administrator of the sponsoring institution.

Self-Analysis: The process of completing the application for accreditation requires that the program faculty, administrative personnel and students evaluate the program being conducted to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the survey team in preparation for the on-site evaluation.

Program Review: The completed application forms, signed by representatives of the sponsoring institution as well as by representatives of affiliating institutions, should be sent to the AMA Department of Allied Health Evaluation with copies sent to the Joint Review Committee for Respiratory Therapy Education. An initial evaluation of the application is made and areas of concern identified. Additional supporting material may be requested before the application is considered as an agenda item at a meeting of the Joint Review Committee which meets four times per year. The executive office of the Joint Review Committee makes arrangements for an on-site evaluation by a survey team composed of at least one qualified physician and one qualified respiratory therapist or respiratory therapy technician. The survey report and supplementary material are reviewed by the full program review committee and an appropriate accreditation recommendation is made to the Committee on Allied Health Education and Accreditation.

As of February 1979, the members of the Joint Review Committee for Respiratory Therapy Education are:

American Association for Respiratory Therapy
  Julius Autry, RRT
  Walnut, CA
  Thomas A. Barnes, MS, RRT
  Boston, MA

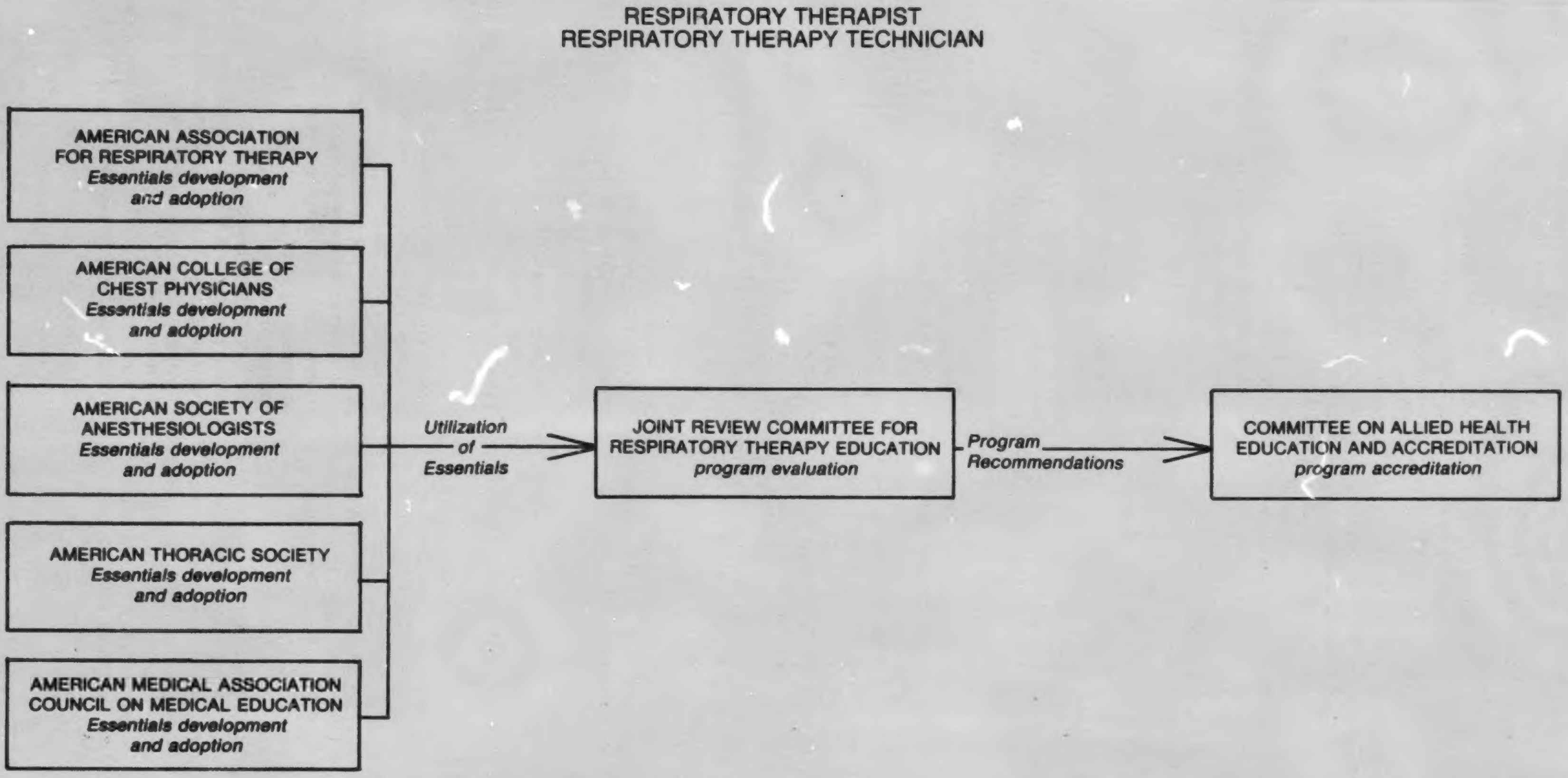
RESPIRATORY THERAPIST
RESPIRATORY THERAPY TECHNICIAN
AMERICAN ASSOCIATION FOR RESPIRATORY THERAPY
Essentials development and adoption
AMERICAN COLLEGE OF CHEST PHYSICIANS
Essentials development and adoption
AMERICAN SOCIETY OF ANESTHESIOLOGISTS
Essentials development and adoption
AMERICAN THORACIC SOCIETY
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE FOR RESPIRATORY THERAPY EDUCATION
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II–18—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the respiratory therapy technician and respiratory therapist.

Larry R. Ellis, RRT
Columbia, SC
Bernard P. Gilles, CRNA, RRT
Rochester, MN
Theresa Hunt, CRTT
La Mirada, CA
Craig L. Scanlan, MEd, RRT
Lincroft, NJ

American College of Chest Physicians
George G. Burton, MD, *Chairman*
Newport Beach, CA
Timothy Harris, MD
Albany, NY

American Society of Anesthesiologists
Thomas J. DeKornfeld, MD
Ann Arbor, MI
Jacob S. Israel, MD
New York, NY

American Thoracic Society
William B. Hunt, MD
New Bern, NC
Irwin Ziment, MD, MRCP
Van Nuys, CA

Public Member
Marvin C. Lunde
Dallas, TX

Accreditation: Recommendations of the Joint Review Committee for Respiratory Therapy Education are reviewed by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs meeting the standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: An on-site evaluation fee of $300 plus $25 per clinical affiliate over one is payable to the Joint Review Committee for Respiratory Therapy Education. There is also a $200 annual fee. Statements are sent by the Joint Review Committee. Expenses for the operation of the Joint Review Committee, including travel of committee members to attend meetings are borne by the national professional organizations which sponsor the Joint Review Committee.

Maintaining Accreditation: To remain accredited, each program must be periodically reevaluated to determine whether it is maintaining compliance with the Essentials. The initial evaluative process is repeated whereby the program completes an application for renewal of accreditation, is resurveyed, and the on-site report and supporting materials are evaluated by the review committee. The review committee then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation. A program should be resurveyed once every five years or more frequently, if indicated.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6272
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Robert B. Parks, PhD

*Joint Review Committee for Respiratory Therapy Education
1720 Regal Row, Suite 125
Dallas, TX 75235
(214) 630-8702
Chairman: George G. Burton, MD
Executive Director: Philip A. von der Heydt, MEd, RRT
Executive Secretary: Linda Schnor

*American Association for Respiratory Therapy
1720 Regal Row, Suite 112
Dallas, TX 75235
(214) 630-3540
President: David H. Eubanks, EdD, RRT
Executive Director: Sandra S. Parkison, JD
Member, CAHEA Panel of Consultants: Andrew S. Block, MS, RRT

American College of Chest Physicians
911 Busse Hwy
Park Ridge, IL 60068
(312) 698-2200
President: Harold C. Urschel, Jr., MD
Executive Director: Alfred Soffer, MD
Member, CAHEA Panel of Consultants: Theodore Noehren, MD

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

American Society of Anesthesiologists
515 Busse Hwy
Park Ridge, IL 60068
(312) 825-5586
Executive Secretary: Jess Bernard Weiss
Member, CAHEA Panel of Consultants: L. Donald Bridenbaugh, Jr., MD

American Thoracic Society
1740 Broadway
New York, NY 10019
(212) 245-8000
President: Donald F. Tierney, MD
Executive Director: Sandy R. Iannotta
Member, CAHEA Panel of Consultants: John Sharp, MD

SPECIALIST IN BLOOD BANK TECHNOLOGY

SPECIALIST IN BLOOD BANK TECHNOLOGY
Liaison for the Department of Allied Health Evaluation
Wallace G. Clark, Jr., EdD, Assistant Director, (312) 751-6269
Lorraine Parker, Program Assistant, (312) 751-6277

History: In 1954, the first examination for Blood Bank Technologists was administered by the Board of Registry. It is significant that both the exam and the process for approving

Blood Bank schools was the result of a cooperative effort between the Registry and American Association of Blood Banks. Technologists working for five years in blood banking were eligible to take the examination. In the years from 1954 to 1960, 695 applicants were examined and 396 were certified.

After 1960, a 12-month educational program at an accredited school was a prerequisite for taking the examination. Levels of competency were established and the scope of knowledge pertinent to the field were prescribed to assure that the institutions would maintain acceptable standards of practice, would follow a curriculum that included all phases of blood bank technology, and would support a faculty adequate to assume teaching responsibilities.

Because the numbers of programs had increased by 1969, *Essentials* were prepared by the Committee on Education of the American Association of Blood Banks and were adopted by the House of Delegates of the American Medical Association in 1971.

In 1977 the *Essentials* were revised and adopted by the AMA Council on Medical Education and American Association of Blood Banks.

Essentials: *Essentials* are minimum educational standards adopted by the American Association of Blood Banks in collaboration with the American Medical Association. Each new program is assessed in accordance with the *Essentials*, and accredited programs are reviewed periodically to determine whether they continue to meet the standards. The *Essentials* appear in Appendix A of the *Directory*.

Application: Application forms and information on the application process for accreditation by the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Completed application forms, signed by the chief administrator of the sponsoring institution and by the director of the educational program, should be returned to the appropriate office as requested on the application materials.

Self-Analysis: The process of completing the application/self-study for CAHEA-accreditation requires that the program faculty, administrative personnel and students evaluate the program to identify areas of strength and weakness and to ensure that the program contains those elements considered essential. This information is used by the survey team in preparation for the on-site evaluation.

Program Review: Once the program has filed an application with the Department of Allied Health Evaluation and submitted copies of the self-study report to the Subcommittee on Accreditation of the American Association of Blood Banks, the Subcommittee examines the report with respect to the *Essentials*. The subcommittee makes arrangements for a survey team to make an on-site evaluation of the program. The survey report and supplementary materials are reviewed by the program review committee and an appropriate accreditation recommendation is made.

The members of the Subcommittee on Accreditation are:

M. Diana Kasey, MT(ASCP)SBB
St. Louis, MO

Linda Linn, MT(ASCP)SBB
Sanford, CA

W. Patrick Monaghan, PhD
Bethesda, MD

Khris Murawski, MD
Washington, DC

Susan Steane, MT(ASCP)SBB
Dallas, TX

Charles H. Wallas, MD, *Chairman*
Nashville, TN

Patricia Young, MT(ASCP)SBB
Detroit, MI

Accreditation: Recommendations of the Subcommittee on Accreditation are reviewed by the Committee on Allied Health Education and Accreditation. CAHEA grants accreditation to those programs meeting the standards. The appropriate officials of the institution sponsoring the program are informed by letter of the action taken by the Committee on Allied Health Education and Accreditation.

Fees for Accreditation Services: The American Association of Blood Banks assesses an annual fee of $75 to each accredited educational program to help defray the rising costs of accreditation. The AABB also subsidizes each program in the amount of $75 annually.

Maintaining Accreditation: To maintain accreditation, each program must complete and return the Annual Report form provided by the Department of Allied Health Evaluation. In addition, each program will be periodically reviewed by the Subcommittee on Accreditation to determine whether or not it is maintaining substantial compliance with the *Essentials*. A program should be reviewed once every five years or more frequently, if so indicated in the accreditation decision or if so warranted by post-accreditation circumstances. Programs undergoing review prepare a documented self-evaluation and go through a site visit. The Joint Review Committee evaluates the program materials and then makes a recommendation of accreditation status to the Committee on Allied Health Education and Accreditation.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6269
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: Wallace G. Clark, Jr., EdD

*Subcommittee on Accreditation
American Association of Blood Banks
1828 L St NW, #608
Washington, DC 20036
(202) 872-8333
Chairman: Charles H. Wallas, MD
Accreditation Coordinator: Jan Stein

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

American Association of Blood Banks
1828 L St NW, #608
Washington, DC 20036
(202) 872-8333
President: Byron A. Myhre, MD
Executive Director: William M. Samuels
Member, CAHEA Panel of Consultants: Charles H. Wallas, MD

SPECIALIST IN BLOOD BANK TECHNOLOGY

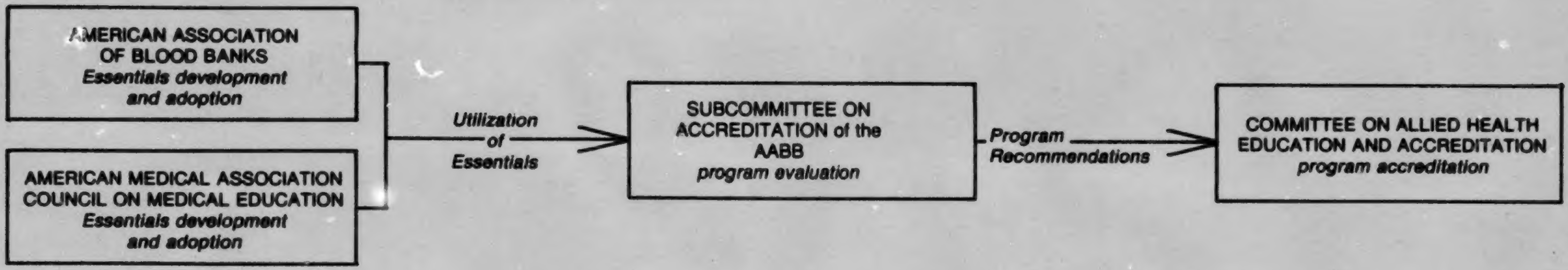
AMERICAN ASSOCIATION OF BLOOD BANKS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
SUBCOMMITTEE ON ACCREDITATION of the AABB
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-19—Roles and responsibilities of organizations involved in the accreditation process for educational programs for the specialist in blood bank technology.

SURGICAL TECHNOLOGY

SURGICAL TECHNOLOGIST (FORMERLY OPERATING ROOM TECHNICIAN)

Liaison for the Department of Allied Health Evaluation
Lawrence M. Detmer, MHA, Assistant Director, (312) 751-6280

Cynthia G. Gordon, Program Assistant, (312) 751-6276

History: A constructive decade of development in education for the operating room technician, a new health occupation, was initiated in 1959 when the Association of Operating Room Nurses (AORN) established a committee to work with representatives of the American College of Surgeons, the American Nurses Association, and the National League of Nursing in addressing the growing need for operating room technicians, the apparent lack of consistency in which they were being educated, and the need to define the relationship of the technician with other members of the surgical care team.

In 1966 the AORN appointed another committee to develop a guide for educational programs in this field. This work culminated in the publication of a 337 page guide in the following year entitled, *Teaching the Operating Room Technician.*

In 1968 the AORN House of Delegates voted to create, under AORN auspices, an associated organization for operating room technicians to provide guidance and stimulus for their own self-development. As a result of this action, the Association of Operating Room Technicians was organized in July 1969, at which time it established an advisory board with representation from AORN, the American College of Surgeons, and the American Hospital Association.

Near the end of the following year, the advisory board urged AORT to pursue the establishment of an official program of educational accreditation with the AMA Council on Medical Education. By December 1972, the AMA House of Delegates had adopted educational standards for this field as recommended and approved by the American College of Surgeons, the American Hospital Association, the AORN, and the AORT. During the 1973 the four organizations established a Joint Review Committee on Education for the Operating Room Technician (JRC/ORT). This committee was organized to review education programs for compliance with the *Essentials of an Accredited Educational Program for the Operating Room Technician,* and to formulate recommendations for accreditation by the AMA Council on Medical Education. In April 1975, the AORN decided to concentrate its resources on the education of operating room nurses and withdrew its collaboration from the accreditation activity. While nurses have continued to serve as evaluators of programs seeking accreditation, the remaining three collaborating organizational sponsors would welcome a reinstatement of AORN sponsorship of the accreditation review committee. The accreditation policies and processes of CAHEA and the Joint Review Committee on Education for the Operating Room Technician comply with the standards for nationally recognized accrediting agencies as established by the voluntary agency, the Council on Postsecondary Accreditation, and by the governmental agency, the US Office of Education. A maximum term of recognition was awarded to CAHEA and the committee by COPA in 1977. Recognition from USOE was received in the following year.

In June 1978 the AORT House of Delegates voted to rename the profession of the operating room technician as that of the surgical technologist. The association is now identified accordingly as the Association of Surgical Technologists, Inc. (AST).

Essentials: The *Essentials* are minimum acceptable standards which were adopted in 1972 by the American College of Surgeons, the American Hospital Association, the Association of Operating Room Nurses, and the Association of Operating Room Technicians. Applicant programs which seek initial and continuing accreditation are assessed in accordance with these minimum standards. The *Essentials,* under the name Operating Room Technician, appear in Appendix A of the *Directory.*

Application: Application forms and information on the application process of the Committee on Allied Health Education and Accreditation (CAHEA) may be obtained from the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Six copies of the completed application and supporting information which the program's administration considers necessary for a proper review and evaluation of the program's compliance with the *Essentials* are to be sent to the Department. All copies should include the signatures of the chief administrative officer of the program's sponsoring institution, the program director, and the program's medical director.

Self-Analysis: Completion of the application form and its supporting documents satisfy the self-analysis requirement of the Joint Review Committee on Education of the Operating Room Technician.

Program Review: After an application and its supporting information are reviewed by the AMA staff for signatures, the original copy is placed in the official archives of the Committee on Allied Health Education and Accreditation (CAHEA) and the remaining five copies are transmitted to the offices of the Secretary/Treasurer of the Joint Review Committee. Following further review for completeness by the Secretary/Treasurer, the program director is contacted to establish mutually convenient dates for an on-site evaluation and an evaluation team of two or three individuals who are knowledgeable and experienced as a surgical technologist, an operating room nurse, a surgeon, or educator, are selected to conduct the evaluation.

The purpose of the on-site evaluation is to assess the extent to which the program meets or exceeds the *Essentials.* A written report of on-site evaluation is prepared by the evaluators before their presentation of an oral report of their findings at the conclusion of the evaluation schedule. A written summary of this report is sent to the program director for review and comment before the Joint Review Committee considers the program's application.

Two members of the Joint Review Committee conduct an in-depth review of the application, the report of on-site evaluation, and all additional documentation which was acquired during and following the on-site evaluation. They then present to the full committee in meeting their evaluation of the program's relative compliance with the *Essentials.* The Committee determines the extent to which the applicant program merits accreditation and formulates an appropriate recommendation for action by CAHEA.

As of April 1979, the members of the Joint Review Committee on Education for the Operating Room Technician are:

American College of Surgeons
F. Maxton Mauney, Jr., MD
Asheville, NC
Harold A. Zintel, MD
Chicago, IL

American Hospital Association
Edward Weimer, MBA, Chairman
Dallas, TX
(Vacancy)

Association of Surgical Technologists
Elizabeth Battle, CST
Jamaica, NY
Sandra L. Wilkins
Littleton, CO

Accreditation: CAHEA grants accreditation to programs which it considers to be in compliance with the *Essentials*. Should CAHEA question the recommendation of the Joint Review Committee, it is returned for further consideration. The chief executive officer of the institution sponsoring the program and other principal administrators are informed of the CAHEA accreditation decision in writing.

Fees for Accreditation Services: Even though on-site evaluators serve without honoraria, fees are required to underwrite the costs incurred in their conduct of the on-site evaluations and to cover a small portion of the administrative costs incurred in processing applications in the administrative offices of the Joint Review Committee. Due to the increase in expenses incurred, there is consideration for increasing the current fee assessments. Present fees include a non-refundable application fee of $25; an on-site evaluation fee of $250 which is payable before an evaluation will be scheduled; and, an annual assessment of $25 to help defray the cost of return evaluations.

Fees should be made payable to the Joint Review Committee on Education for the Operating Room Technician and should be mailed to the Secretary/Treasurer of the Joint Review Committee in care of the Association of Surgical Technologists, Inc., Suite 200, 1100 W Littleton Blvd, Littleton, CO 80120.

Maintaining Accreditation: Accredited programs receive annually from the AMA Department of Allied Health Evaluation specially designed Annual Report forms. As required by the *Essentials*, these must be completed and returned within the designated time to avoid jeopardizing the program's accreditation status. Accredited programs are reviewed for their continuing compliance with *Essentials* at least every five years by the Joint Review Committee and CAHEA.

Participating Organizations: The functions of the following organizations involved in the accreditation process are described earlier in this section. The organizations with asterisks by their names may be contacted for further information. Included are the Department of Allied Health Evaluation of the AMA, the review committee, and the collaborating organization(s). Other organizations and individuals involved in the accreditation process are listed in Appendix D, Organizational References.

*Department of Allied Health Evaluation (DAHE)
Committee on Allied Health Education and Accreditation (CAHEA)
American Medical Association
535 N Dearborn St
Chicago, IL 60610
(312) 751-6272
CAHEA Chairman: Keith D. Blayney, PhD
CAHEA Secretary and DAHE Director: John E. Beckley, PhD
CAHEA Staff and DAHE Assistant Director: L. M. Detmer, MHA

*Joint Review Committee on Education for the Operating Room Technician
1100 W Littleton Blvd Suite 201
Littleton, CO 80120
(303) 794-4929
Secretary/Treasurer: Sandra L. Wilkins
Chairman: Edward Weimer, MBA

American College of Surgeons
55 E Erie St
Chicago, IL 60611
(312) 664-4050
President: William A. Altemeier, MD
Executive Director: C. Rollins Hanlon, MD, FACS
Member, CAHEA Panel of Consultants: Charles G. Halgrimson, MD

American Hospital Association
840 N Lake Shore Dr
Chicago, IL 60611
(312) 280-6000
President: John Alexander McMahon, JD
Member, CAHEA Panel of Consultants: James A. Lamb

American Medical Association
Council on Medical Education (CME)
535 N Dearborn St
Chicago, IL 60610
(312) 751-6300
CME Chairman: Russell S. Fisher, MD
CME Secretary: Richard L. Egan, MD

*Association of Surgical Technologists, Inc.
1100 W Littleton Blvd, Suite 201
Littleton, CO 80120
(303) 794-4929
President: Edgar C. Montgomery, CST/CUT
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Member, CAHEA Panel of Consultants: Sandra L. Wilkins

SURGICAL TECHNOLOGIST (OPERATING ROOM TECHNICIAN)

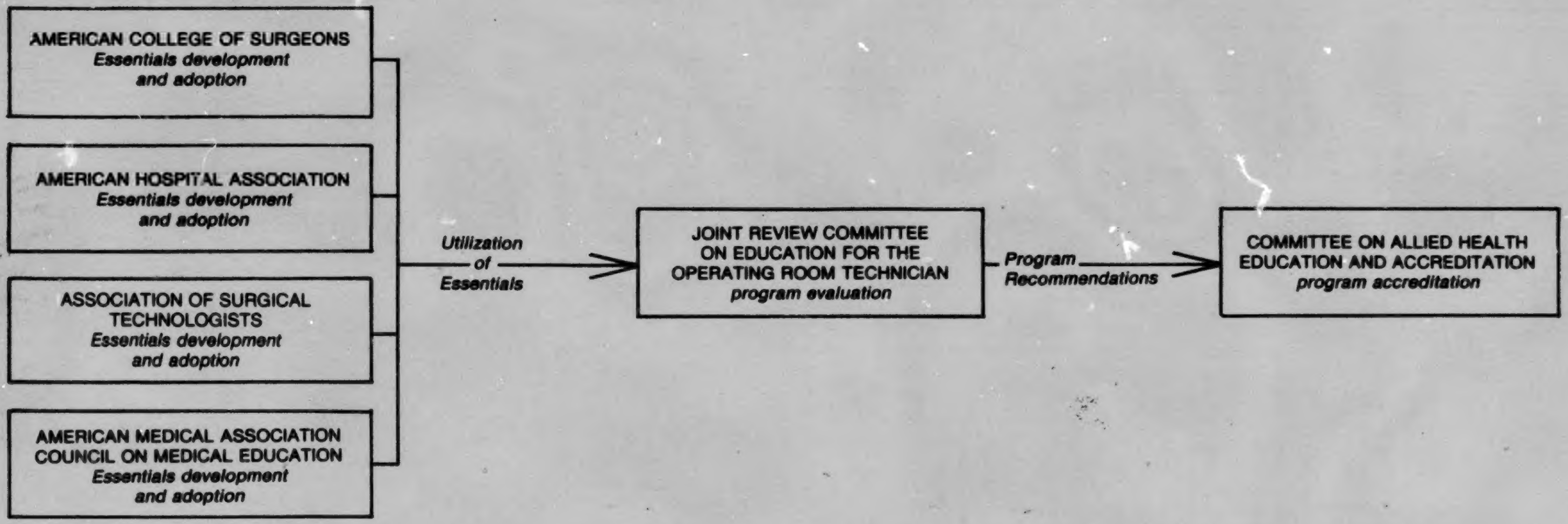
AMERICAN COLLEGE OF SURGEONS
Essentials development and adoption
AMERICAN HOSPITAL ASSOCIATION
Essentials development and adoption
ASSOCIATION OF SURGICAL TECHNOLOGISTS
Essentials development and adoption
AMERICAN MEDICAL ASSOCIATION COUNCIL ON MEDICAL EDUCATION
Essentials development and adoption
Utilization of Essentials
JOINT REVIEW COMMITTEE ON EDUCATION FOR THE OPERATING ROOM TECHNICIAN
program evaluation
Program Recommendations
COMMITTEE ON ALLIED HEALTH EDUCATION AND ACCREDITATION
program accreditation

Figure II-20—Roles and responsibilities involved in the accreditation process for educational programs for the surgical technologist (operating room technician).

Section III: Occupational Program Information

ASSISTANT TO THE PRIMARY CARE PHYSICIAN

The purpose of the physician's assistant in primary care and in surgery is to help the physician and surgeon provide personal health services to patients under their care. Physician's assistants work with a supervising physician in performing clinical functions and tasks which prior to the mid-1960's were reserved principally if not solely for performance by the physician.

Assistants to the primary care physician* are qualified by education and experience to elicit a thorough health history, to perform a comprehensive physical examination, to perform selected diagnostic laboratory procedures, to perform treatment procedures, and to respond to common emergencies.

Job Description: Assistants to primary care physicians may perform a variety of tasks and functions, depending upon their own knowledge and competencies and the characteristics of the practice in which they are working. It is expected that physician's assistants are able to perform, but need not be limited to, the following functions:

1. eliciting a detailed and accurate health history from a patient of any age in any primary care setting;
2. performing an appropriate physical examination, and recording and presenting pertinent data to the supervising physician in a meaningful manner;
3. performing or assisting in routine laboratory work and related diagnostic studies as appropriate for a specific practice setting, such as drawing blood samples, performing urinalyses, and obtaining electrocardiographic tracings;
4. doing therapeutic procedures common to the primary care setting, such as administering injections and immunizations, and assessing and caring for wounds including suturing;
5. educating patients about their health status and about health maintenance, and counseling them in their efforts to deal with stress in daily living;
6. helping the supervising physician by making the rounds of patients who are in hospitals and nursing homes, recording patient progress notes, executing standing orders and other orders of the supervising physician, and preparing comprehensive case summaries;
7. helping in the continuing care and monitoring of patients' therapy in continuing care facilities, including the patient's home;
8. performing evaluation and treatment of patients with emergency care needs in life-threatening situations; and
9. facilitating the referral of patients to other community services as needed.

Employment Characteristics: A study conducted in 1976 indicated that almost half of physician's assistants were working with physicans who maintained a private solo practice or private partnership practice. About one in ten in military hospitals worked as enlisted or commissioned personnel. Approximately one-third work in a variety of other hospital settings, including non-profit and for-profit county and city hospitals, Veterans Administration hospitals, academic medical centers and the like. The rest work in such diverse settings as Health Maintenance Organizations, industrial health clinics, and prisons.

The normal work week for a majority of PAs exceeds 40 hours. Almost half devote more than 40 hours to direct patient contact, with one in five working over 50 hours a week. Similarly, about half report spending some additional hours of the week on call.

Recognizing that salaries will vary depending on the experience and education of the individual, the economy of a given region, the nature of the practice, and the time demands on PAs' work schedule and responsibilities; starting salaries are in the range of the mid-teens, with more experienced PAs earning incomes of $20,000 to $30,000. While there is more demand for PAs than their are available graduates, there are areas of the country which appear to have a surplus of PAs. It is anticipated that the demand for PAs will continue at a moderate rate.

Educational Programs:

Length: While two years is most common, the length of programs varies from one to four years. This is a function largely of variations in student selection criteria and in the educational objectives of the individual program.

Prerequisites: While requirements vary widely, a majority of programs require two years of undergraduate study and some work experience in personal health services. An increasing number of programs are developing which do not require work experience. In view of the large percentage of patients who seek primary care services who have behavioral as well as biological problems, a balance of study in the applied behavioral sciences and the biological sciences is advised.

Curriculum: Accreditation standards require achievement-oriented curricula. Two-year programs provide integrated clinical didactic and practice components which cover anatomy, physiology, microbiology, pharmacology, and applied behavioral science courses which deal with development of personality, mechanisms for coping with stress in daily living, development of listening and interviewing skills, and recognition of individual values relating to such dimensions of human experience as sexuality and death and dying. Four-year programs are designed to provide the student with a balance of traditional liberal arts courses with biological and

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***This is a generic term which encompasses such titles as physician's assistant, physician associate, MEDEX, child health associate, health associate, clinical associate, community health medic.**

Figure III-I—Length of Preparation for Allied Health Occupations (After High School)*

Occupation	1 yr	2 yr	3 yr	4 yr	Postgraduate
Electroencephalographic Technician	- - -				
Medical Laboratory Technician *(Certificate)*	- - - - - -				
Electroencephalographic Technologist	- - - - - -				
Surgical Technologist (Operating Room Technician)	- - - - - -				
Respiratory Therapy Technician	- - - - - -				
Emergency Medical Technician-Paramedic	-.-.-.-				
Histologic Technician†	- - - - - -	- - - - - -			
Medical Assistant‡	- - - - - -	- - - - - -			
Medical Record Technician‡	- - - - - -	- - - - - -			
Medical Assistant in Pediatrics	- - - - - -	- - - - - -			
Medical Laboratory Technician *(Associate Degree)*	- - - - - -	- - - - - -			
Ophthalmic Medical Assistant†	- - - - - -	- - - - - -			
Radiographer	- - - - - -	- - - - - -			
Respiratory Therapist§‖	- - - - - -	- - - - - -			
Radiation Therapy Technologist	....	-.-.-.-	- - - - - -		
Cytotechnologist	....	....	- - - - - -		
Medical Technologist	....	....	....	- - - - - -	
Nuclear Medicine Technologist	....	....	....	- - - - - -	
Surgeon's Assistant	-.-.-.-	-.-.-.-	-.-.-.-	- - - - - -	
Medical Record Administrator	-.-.-.-	-.-.-.-	-.-.-.-	-.-.-.-	- - -
Assistant to the Primary Care Physician§	-.-.-.-	-.-.-.-	-.-.-.-	-.-.-.-	- - - - - -
Occupational Therapist	-.-.-.-	-.-.-.-	-.-.-.-	-.-.-.-	- - - - - -
Physical Therapist¶	-.-.-.-	-.-.-.-	-.-.-.-	-.-.-.-	- - - - - -
Specialist in Blood Bank Technology	....	....	....	....	- - - - - -

*Dash lines (- - - -) indicate level of educational program (high school degree or equivalent required for admission in all programs). Dotted lines (. . . .) indicate years of post-high school training required before admission into program. Mixed lines (.-.-) indicate educational program may be taught or prerequisite training can occur in these years for some levels of programs.

†Some two-year programs.

‡Some one-year programs.

§Some programs offer baccalaureate degree.

‖Some one-year programs that require prerequisites.

¶Some programs admit persons with baccalaureate degree in appropriate field.

behavioral sciences courses. These courses are prerequisites to clinical didactic and supervised clinical practice instruction common to both two-year and four-year programs.

Supervised clinical practice rotations in pediatrics, family medicine, internal medicine, and surgery offer advanced applied content and work experience in dealing with commonly encountered demands for the primary health care of individuals from infancy through childhood, adolescence, and the various phases of adulthood.

Certification/Registration: Graduates of accredited educational programs for assistants to the primary care physician may apply to the National Commission on Certification for Physician Assistants for examination. Individuals who have acquired their knowledge and skills by other means than formal education may qualify for the examination if they have devoted four of the past five years in working as a primary care physician assistant. An individual who meets the requirements of the Commission is recognized as a PA-C, Physician's Assistant-Certified.

For further information, contact:

National Commission on Certification
of the Physician's Assistant
3384 Peachtree Rd
Suite 560
Atlanta, GA 30326
(404) 261-1261

Licensure: Forty-five states have enacted legislation affecting PAs. In some states, the laws have simply reconfirmed the physician's traditional delegatory authority to assign patient care responsibilities to qualified individuals who work under their supervision. Laws in other states invest a regulatory authority in a state agency to establish rules for the recognition and use of PAs. These laws also vary among states. Often, they specify the qualifications a PA must have, and they hold authority to approve of the individual PA's job description, and to approve the physician who will supervise the PA. With the exception of Colorado, which licenses graduate Child Health Associates, no state is known to license PAs.

CYTOTECHNOLOGIST

Cytology is the study of the structure and function of cells. The chief responsibility of cytotechnologists is to detect any evidence of cellular disease with the use of a microscope. The cellular samples are prepared by cytotechnologists for study under the microscope by using special training techniques.

Job Description: Cytotechnologists are trained medical laboratory technologists who work with pathologists to detect changes in body cells which may be important in the early diagnosis of cancer. This is done primarily with a microscope used to screen slide preparations of body cells for abnormalities in structure, indicating either benign or malignant conditions.

Cell specimens are obtained from various body sites, such as the female reproductive tract, the oral cavity, the lung, or any body cavity shedding cells. Using the findings of cytotechnologists, the physician is often able to diagnose cancer long before it can be detected by other methods. Cytologic techniques can also be used to detect diseases involving hormonal abnormalities and other pathological disease processes.

Employment Characteristics: Most cytotechnologists work in hospitals or in private laboratories, while some prefer to teach or work on research projects. Employment opportunities upon completion of educational programs are varied.

Salary varies according to geographical location. An average starting salary in 1977 ranged from $8,500 to $10,000 without a degree. The range for a person with a bachelor's degree is $9,000 to $15,000.

Most cytotechnologists find employment immediately upon graduation since the demand for trained cytotechnologists is high and is projected to remain high for the next ten years.

Educational Programs:

Length: The clinical education is a minimum of 12 months in a laboratory setting.

Prerequisites: Two years (60 semester hours, or 90 quarter hours) of academic education in an accredited college or university before acceptance into the clinical laboratory. This preparatory work must include a minimum of 14 semester hours or 21 quarter hours of biology. Biology credits must be earned no less than seven years prior to acceptance and must emphasize cell biology.

Curriculum: The curriculum includes the historical background of cytology, cytology as applied in clinical medicine, cytology in the screening of exfoliative tumor cells, and areas of anatomy, histology, embryology, cytochemistry, cytophysiology, endocrinology, and inflammatory diseases.

Certification/Registration: Graduates of accredited programs for cytotechnologists may apply to the Board of Registry of the American Society of Clinical Pathologists to take the certification examination. An individual meeting the requirements of the Board is recognized as a CT(ASCP), Cytotechnologist.

For further information, contact:

Board of Registry
American Society of Clinical Pathologists
PO Box 4872
Chicago, IL 60680

ELECTROENCEPHALOGRAPHIC TECHNICIAN

Electroencephalography (EEG) is the scientific field devoted to recording and studying the electrical activity of the brain. EEG technicians and technologists operate an instrument called an electroencephalograph, which records this activity, producing a written tracing of the brain's electrical impulses. This record is called an electroencephalogram.

Various kinds of brain disease can be diagnosed by neurologists and other qualified medical practitioners using the EEG.

Job Description: EEG technicians' function is to secure interpretable records under competent supervision by either the electroencephalographer or the EEG technologist in charge. The EEG technician's duties include preparation of the patient for recording, simplified history taking, proper application of electrodes at predetermined locations on the patient's scalp, and checking electrode function. They also recognize and correct common artifacts during the recording, determine that the electroencephalograph is functioning properly, and have a basic understanding of medical emergencies which may occur in the laboratory.

Employment Characteristics: Although EEG personnel work primarily in the neurology departments of hospitals, many work in private offices of neurologists and neurosurgeons. The employment outlook for EEG technicians is expected to grow faster than the average for all occupations due to the increased use of EEG's in surgery and in diagnosing and monitoring patients with brain disease. EEG technicians generally work a 40-hour week.

Educational Programs:

Length: Six months or longer.

Prerequisites: High school diploma or equivalent.

Curriculum: The curriculum includes classroom presentations, discussions, demonstrations, supervised practice, and evaluation of acquired knowledge and skills. The general course of study encompasses elements of basic science and neurological disease, instrumentation, electrical safety, and basic technique in clinical electroencephalography.

Certification/Registration: Graduates of accredited educational programs for electroencephalographic technicians may apply for certification through the American Board of Electroencephalography. An individual meeting the requirements of the Board is recognized as a CMET, Certified Medical Electroencephalographic Technician.

For further information, contact:

American Board of Electroencephalography
Secretary—Technologist Division
American Medical Electroencephalographic
Association
825 Nicollet on the Mall
Minneapolis, MN 55402

ELECTROENCEPHALOGRAPHIC TECHNOLOGIST

Electroencephalography (EEG) is the scientific field devoted to recording and studying the electrical activity of the brain. EEG technicians and technologists operate an instrument called an electroencephalograph, which records this activity, producing a written tracing of the brain's electrical impulses. This record is called an electroencephalogram.

Various kinds of brain disease can be diagnosed by neurologists and other qualified medical practioners using the EEG.

Job Description: EEG technologists are skilled in the following functions: patient handling, patient briefing, history taking and abstracting, the proper application of recording electrodes, and the understanding of the optimal use of EEG equipment. They may also be required to apply EEG procedures to a specific patient's problem, to recognize, correct, or identify artifacts which are manifested during the recording; to manage medical emergencies in the laboratory, to correct instrument faults; to debrief the patient; and to write a descriptive report of the recording for use by the electroencephalographer. The responsibilities of technologists may also include laboratory management and the supervision of EEG technicians.

Employment Characteristics: Although EEG personnel work primarily in the neurology departments of hospitals, many work in private offices of neurologists and neurosurgeons. The employment outlook of EEG technologists is expected to grow faster than the average for all occupations due to the increased use of EEG's in surgery and in diagnosing and monitoring patients with brain disease. EEG technologists generally work a 40-hour week.

Educational Programs:

Length: Twelve months or more, which may be integrated into a college sponsored program leading to a degree.

Prerequisites: High school diploma or equivalent.

Curriculum: Includes anatomy, physiology, and neuroanatomy—with major emphasis on the brain—and electronics and instrumentation, including personal and patient safety.

Certification/Registration: Graduates of accredited educational programs for electroencephalographic technologists may apply for certification through both the American Board of Registration of Electroencephalographic Technologists and the American Board of Electroencephalography. An individual meeting the requirements of the American Board of Registration of Electroencephalographic Technologists is recognized as a R EEG T, Registered Electroecephalographic Technologist. An individual meeting the requirements of the American Board of Electroencephalography, Technologist Division, is recognized as a CMET, Certified Medical EEG Technologist.

For further information, contact:

American Board of Registration of Electroencephalographic Technologists, Inc.
Secretary
Austin Neurologic Clinic
Suite 510
Medical Park Tower
Austin, TX 78705

American Board of Electroencephalography
Secretary—Technologist Division
825 Niccollet On the Mall
Minneapolis, MN 55402

EMERGENCY MEDICAL TECHNICIAN-PARAMEDIC

Emergency medical technician-paramedics, working under the direction of a physician often through radio communication, recognize, assess, and manage medical emergencies of acutely ill or injured patients in pre-hospital care settings. EMT-Paramedics work principally in advanced life support units and ambulance services which are under medical supervision and direction.

Job Description: Variations in geographic, sociologic, and economic factors have an impact on the manner in which emergency medical service systems are organized and maintained, and subsequently on the type of practice engaged in by EMT-Paramedics. Some EMT-Paramedics are employed by community fire or police departments and have related responsibilities in those fields, or they may serve as community volunteers. EMT-Paramedics are competent in recognizing a medical emergency, in assessing the situation, and in managing the emergency care. This includes the ability to recognize the patient's condition and to initiate appropriate invasive and non-invasive treatments for a variety of surgical and medical emergencies, including airway and respiratory problems, cardic dysrhythmias and standstills, and psychological crises. In addition, EMT-Paramedics are able to assess the response of the patient to the treatments received and to modify that therapy as required through the direction of a designated physician or other authorized individuals. Paramedics maintain written records and dictate details relating to a patients' emergency care and a description of the incident which led to that care. They also direct the maintenance and preparation of emergency care equipment and supplies, and direct and coordinate the transport of patients by effective methods. EMT-Paramedics are responsible for exercising personal judgment when communication failures interrupt contact with medical direction or, in cases of immediate life threatening conditions, when such emergency care has been specifically authorized in advance.

Employment Characteristics: The majority of EMT-Paramedics work in pre-hospital care services, including but not limited to ambulance services, fire departments, and volunteer emergency care services. EMT-Paramedics are usually expected to work rotating shifts to insure adequate staffing for evening, night, weekend and holidays hours. Salaries vary widely, depending largely upon the sources of funding for the employing agency. Demand varies widely among communities and geographic regions. Prospective students are advised to assess the market for graduates within the regions they would like to work before matriculating in an educational program. Such information is likely to be available through local, county or state health department offices.

Educational Programs:

Length: Some programs are designed on a part-time study model while others are organized as a full-time collegiate curriculum. Instruction dealing specifically with emergency medical care as a rule requires anywhere from 500 to over 800 hours of instruction, the variation due largely to the availability of actual emergency care incidents in which the student may acquire supervised clinical practice experience.

Prerequisites: Successful completion of a course of training for EMT-Ambulance and evidence of certification as an EMT-Ambulance are the principal prequisites for entrance in the EMT-Paramedic program. In addition, a prospective student is expected to be a high school graduate or have a general education equivalent. In those programs which combine EMT-Ambulance and EMT-Paramedic training, the clinical didactic and supervised practice portions of both programs must be completed before the paramedic student begins the required field internship. In addition, students are expected to have a health status that will meet the physical and mental demands of the occupation and are expected to have attributes which include ability to follow instructions and orders with reliability. An orientation towards service to people is desirable as well.

Individuals who have acquired the equivalent of basic EMT training in the military services within the past twelve months, and whose work experience is approved by a recognized state agency, may be considered qualified to matriculate in an EMT-Paramedic program.

Curriculum: The accreditation standards require that a course of instruction be composed of three components: didactic clinical instruction, in-hospital clinical practice, and a supervised field internship in an advanced life support unit which functions under an emergency medical services command authority. The courses of instruction are expected to be competency-based and supported by performance assessments. Instruction should provide the student with knowledge of acute and critical changes in physiology and of psychological and clinical symptoms as they pertain to the pre-hospital emergency medical care of individuals of all ages. The curriculum should also provide students with an understanding of the ethical and legal responsibilities which they assume as students and which they are being prepared to assume as graduates.

Certification: Graduates of EMT-Paramedic programs may apply for certification to the National Registry of Emergency Medical Technicians, PO Box 29233, Columbus, OH 43229.

Licensure: All states require EMT-Paramedics to be certified by an agency of the state. Reportedly only one or two states license individuals for this occupation.

HISTOLOGIC TECHNICIAN

Physicians (usually pathologists) and other scientists specializing in biological sciences or related clinical areas, such as chemistry, work in partnership with medical laboratory workers to analyze blood, tissues, and fluids from humans (and sometimes animals) using modern electronic instruments, automatic analyzers, microscopes and other precision instruments. The results of these tests are used to detect and diagnose disease and other abnormalities.

The main responsibility of histologic technicians in the clinical laboratory is preparing sections of body tissue for examination by a pathologist. This includes the preparation of tissue specimens of human and animal origin for diagnostic, research, or teaching purposes. Tissue sections prepared by histologic technicians for a variety of disease entities enable the pathologist to diagnose body dysfunction and malignancy.

Job Description: Histologic technicians process sections of body tissue by fixation, dehydration, embedding, sectioning, decalcification, microincineration, mounting, and routine and special staining.

Employment Characteristics: Most histologic technicians work in hospital laboratories, averaging a 40-hour week. Salaries vary depending on the employer and geographic location. Employment opportunities are expected to be favorable through the mid 1980's.

Educational Programs:

Length: 12 months, unless cirriculum is an integral part of a college program, in which case training is 6 months.

Prerequisites: High school diploma or equivalent.

Curriculum: The curriculum includes both didactic instruction and practical demonstration in the areas of medical ethics, medical terminology, chemistry, laboratory mathematics, anatomy, histology, histochemistry, quality control, instrumentation, microscopy, processing techniques, preparation of museum specimens, and records and administration procedures.

It is recommended that the curriculum be an integral part of a junior or a community college program culminating in an associate degree, and that the course of study include chemistry, biology, and mathematics.

Certification/Registration: Graduates of accredited programs for histologic technicians may apply to take the certification examination administered by the Board of Registry of the American Society of Clinical Pathologists. An individuals meeting the Board's requirements is recognized as a HT(ASCP), Histologic Technician.

For further information, contact:

Board of Registry
American Society of Clinical Pathologists
PO Box 4872
Chicago, IL 60680

MEDICAL ASSISTANT

Medical assistants perform a wide variety of both administrative and clinical tasks required by physicians in accordance with specific state laws. They are specially trained generalists who assist the physician primarily in office settings. The performance of clinical tasks under the supervision of a physician as well as the performance of administrative tasks distinguishes the medical assistant from the medical secretary.

Job Description: Medical assistants may function as secretaries, receptionists, and/or bookkeepers, performing duties such as arranging for laboratory or x-ray procedures, hospital admissions or surgery; billing and collecting fees; and processing insurance claims. As technical assistants, medical assistants prepare patients for examination or treatment, take temperatures, measure height and weight, sterilize instruments, and assist the physician in certain examinations or treatments. Medical assistants with special education may also perform diagnostic tests.

Employment Characteristics: More medical assistants are employed by practicing physicians than any other type of allied health personnel. Medical assistants are usually employed in physicians' offices where they perform a variety of administrative and clinical tasks to facilitate the work of the physician. The responsibilities of medical assistants may vary depending on whether they work in a clinic, hospital, large group practice, or small private office. With a demand from more than 200,000 physicians, there are and will probably continue to be almost unlimited opportunities for formally-educated medical assistants.

Educational Programs:

Length: Programs are usually two yeas, resulting in an associate degree. One year programs award a certificate or diploma.

Prerequisites: High school diploma or equivalent.

Curriculum: The curricula of accredited programs are required to include anatomy and physiology; medical terminology; medical law and ethics; psychology; communications (oral and written); medical assisting administrative procedures, including office procedures, business correspondence and typing, transcription of medical dictation, medical office management, bookeeping, and insurance; and medical assisting clinical procedures, including examination room techniques, aseptic practices and techniques, care of equipment and supplies, first aid and cardiopulmonary resuscitation, laboratory orientation, and principles of pharmacology. Programs must include an externship which provides practical experience in qualified physicians' offices, accredited hospitals, or other health care facilities.

Certification/Registration: Graduates of accredited educational programs for medical assistants may apply to take the certification examination administered by the Certifying Board of the American Association of Medical Assistants. An individual meeting the requirements of the Board is recognized as CMA, Certified Medical Assistant. More than 3,400 candidates took the certification examination in 1978.

For further information, contact:

Certifying Board
American Association of Medical Assistants
One E Wacker Dr. Suite 21[illegible]9
Chicago, IL 60601

MEDICAL ASSISTANT IN PEDIATRICS

Medical assistants in pediatrics are members of the pediatric health care team who are educated to perform a variety of general administrative and clinical functions delegated by, and under the supervision of, pediatricians.

Job Description: Medical assistants who specialize in pediatrics perform many of the same duties and responsibilities as the medical assistant-generalist. They may serve as secretaries, receptionists, and bookkeepers as well as technical assistants who prepare pediatric patients for examination or treatment, take temperatures, measure height and weight, sterilize instruments, and stand by to assist pediatricians as they examine and treat their patients. Besides accumlating health and medical data, administering and interpreting some specific screening and diagnostic tests, recognizing acute illnesses, and administering specific medications and biologicals, medical assistants in pediatrics establish and maintain a continuing relationship with the pediatric patient and family, act as liaison between physician and patient in carrying out the physician's orders, and guide and support the patient and family under the direction and supervision of the physician.

Employment Characteristics: Most medical assistants in pediatrics are employed by pediatricians in solo or group practice, but their services may also be utilized in well-baby clinics, child care centers, community and neighborhood health centers, and other ambulatory child health care facilities supervised by a physician.

Educational Programs:

Length: Programs are generaliy two years.

Prerequisites: Applicants should have a high school diploma or equivalent with a background in social, biological and natural sciences. Typing skills of 35 words a minute is recommended.

Curriculum: The curricula of accredited programs include courses in anatomy and physiology, medical terminology, medical law and ethics, and medical assistant administrative and clinical procedures. Education concerning the growth and development of infants and children, infectious diseases, immunization procedures, and acute and chronic childhood conditions should also be included. Students must also receive practical experience in pediatricians' offices, child health clinics, pediatrics outpatient facilities, or other appropriate clinical settings under competent pediatric supervision.

Certification/Registration: Graduates of accredited programs for medical assistants in pediatrics may apply to take the certification examination developed by the American Academy of Pediatrics and the American Association of Medical Assistants. The exam is administered by the AAMA Certifying Board and was given for the first time in June, 1974 in test centers throughout the country. Individuals meeting the Board's requirements are recognized as CMA-PED, Certified Medical Assistant-Pediatrics.

For further information, contact:

Certifying Board
American Association of Medical Assistants
One E Wacker Dr
Suite 2110
Chicago, IL 60601

MEDICAL LABORATORY TECHNICIAN *(ASSOCIATE DEGREE)*

Laboratory tests play an important role in the detection, diagnosis, and treatment of many diseases. Medical laboratory workers perform these tests under the supervision or direction of pathologists (physicians who diagnose the causes and nature of disease) and other physicians, or scientists who specialize in clinical chemistry, microbiology, or the other biological sciences. Medical laboratory workers develop data on the blood, tissues, and fluids in the human body by using precision instruments such as microscopes and automatic analyzers.

Medical laboratory technician *(associate degree)* programs are conducted in junior or community colleges, two-year divisions or universities and colleges, or in other recognized institutions granting associate degrees.

Job Description: Medical laboratory technicians *(associate degree)* perform all of the routine tests in an up-to-date medical laboratory and can demonstrate discrimination between closely similar items and correction of errors by use of pre-set strategies. The technician has knowledge of specific techniques and instruments and is able to recognize factors which directly affect procedures and results. For confirmation of results, the technician conducts more than one test for each specialty area. The technician also monitors quality control programs within predetermined parameters.

Employment Characteristics: Most medical laboratory personnel work in hospital laboratories, averaging a 40-hour week. Salaries vary depending on the employer and geographic location. Employment opportunities are expected to be favorable through the mid-1980's.

Educational Programs:

Length: The period of education and training is usually two academic years in duration and results in the granting of an associate degree to the students.

Prerequisites: High school diploma or equivalent. The applicant must also meet the admission requirements of the sponsoring educational institution. Arrangement should be available for the acceptance of student credits from other medical laboratory programs. Those responsible for admission to the program should make arrangements to accept students with advanced standing on the basis of transfer credits or equivalency examinations. But not solely on the basis of experience alone.

Curriculum: Includes courses in teaching and clinical laboratory. Courses are taught on campus and in affiliated hospital(s). The teaching laboratory on campus focuses on general knowledge and basic skills, understanding principles, and mastering procedures of laboratory testing. The clinical training program includes basic principles commonly used in the diagnostic laboratory. Technical instruction includes procedures in hematology, serology, chemistry, microbiology, and other pertinent areas.

Certification/Registration: Graduates of accredited programs for the medical laboratory technician *(associate degree)* may apply to the Board of Registry of the American Society of Clinical Pathologists to take the certification examination. An individual meeting the requirements of the Board is recognized as MLT(ASCP), Medical Laboratory Technician.

For further information, contact:

Board of Registry
American Society of Clinical Pathologists
PO Box 4872
Chicago, IL 60680

MEDICAL LABORATORY TECHNICIAN *(CERTIFICATE)*

Laboratory tests play an important role in the detection, diagnosis, and treatment of many diseases. Medical laboratory workers perform these tests under the supervision or direction of pathologists (physicians who diagnose the causes and nature of disease) and other physicians, or scientists who specialize in clinical chemistry, microbiology, or other biological sciences. Medical laboratory workers develop data on the blood, tissues, and fluids in the human body by using precision instruments such as microscopes and automatic analyzers.

Medical laboratory technicians *(certificate)* perform many routine procedures in the clinical laboratory under the direction of a qualified physician and/or medical technologist.

Job Description: Medical laboratory technicians *(certificate)* perform routine, uncomplicated procedures in the areas of hematology, serology, blood banking, urinalysis, microbiology, and clinical chemistry. These procedures involve the use of common laboratory instruments in a single-step process where discrimination is clear, errors are few and easily corrected, and results of procedures can be confirmed with a reference test or source within the working area.

Employment Characteristics: Most medical laboratory personnel work in hospital laboratories, averaging a 40-hour week. Salaries vary depending on the employer and geographic location. Employment opportunities are expected to be favorable through the mid 1980's.

Educational Programs:

Length: 12 months and didactic training.

Prerequisites: High school diploma or equivalent.

Curriculum: Includes areas of medical ethics and conduct, medical terminology, basic laboratory solutions and media, basic elements of quality control, manipulation of histologic and cytologic specimens, blood collecting techniques, as well as an introduction to basic hematology, serology, blood banking, urinalysis and other pertinent techniques.

Certification/Registration: Graduates of accredited programs for medical laboratory technicians *(certificate)* may apply to the Board of Registry of the American Society of Clinical Pathologists to take the certification examination. Individuals meeting the requirements of the Board are recognized as CLA(ASCP), Certified Laboratory Assistant.

For further information, contact:

Board of Registry
American Society of Clinical Pathologists
PO Box 4872
Chicago, IL 60680

MEDICAL RECORD ADMINISTRATOR

The medical record is a permanent document prepared for each person treated in a medical care facility which records the details of a patient's illness, operation, injury, and/or hospitalization. The information is compiled and stored in order to preserve information of a medical, scientific, and legal nature. Medical record administrators are the professionals responsible for the management of health information systems consistent with the medical, administrative, ethical, and legal requirements of the health care delivery system. Although medical record administrators are not often directly involved in patient contact, their work with the medical and hospital administrative staff is of critical importance for patient care. Because medical record administrators deal with medical records and reports, they should not be confused with medical librarians, who work chiefly with books, periodicals and other medical publications.

Job Description: The overall responsibility of medical record administrators is to see that complete medical records are developed and preserved for all patients treated in the hospital, clinic or medical care center, and that the confidentiality of the medical information is maintained. Duties include designing health information systems; planing, organizing, directing and controlling medical record services; developing, analyzing, and evaluating medical records indexes; cooperating with the medical staff in developing methods for evaluation of patient care; and working with the medical and administrative staff in research projects utilizing health care information. Responsibilities vary according to the type and size of the facility where the medical record administrator is employed.

Employment Characteristics: The demand for medical record administrators is greatest in hospitals. Other areas of employment are extended care facilities, nursing homes, outpatient clinics, community health centers, state and local health departments, regional medical programs, and rehabilitation centers. Medical record administrators interested in education may accept faculty appointments as teachers in university educational programs for medical record administrators or college programs for medical record technicians.

Educational Programs:

Length: Baccalaureate degree programs are 4 years. Post-baccalaureate degree programs are generally 1 year.

Prerequisites: Applicants for the four-year baccalaureate degree program should have a high school diploma or equivalent. Applicants for the one-year postbaccalaureate certificate should have a baccalaureate degree which included coursework in science and statistics, as specified.

Curriculum · The preprofessional curriculum should include studies in humanities, behavioral sciences, biological sciences, and physical sciences. The professional curriculum includes medical terminology; the organization of medical care institutions; the use of medical records; disease classification systems; fundamentals of medical science; the principles of organization, administration, supervision, and human relations; health care statistics; principles of law as applied to the health field, data processing systems; and supervised practice in medical record departments of health care facilities.

Certification/Registration: Graduates of accredited educational programs for medical record administrators may apply to take the certification examination administered by the American Medical Record Association. An individual meeting the requirements of the association is recognized as a RRA, Registered Record Administrator.

Since 1932, over 10,440 such persons have been registered.

For further information, contact:

American Medical Record Association
875 N Michigan Ave
Suite 1850
Chicago, IL 60611

MEDICAL RECORD TECHNICIAN

The medical record is a permanent document prepared for each person treated in a medical care facility which records the details of a patient's illness, operation, injury and/or hospitalization. The information is compiled and stored in order to preserve information of a medical, scientific, and legal nature. Medical record technicians are important members of the health team in the medical record department of a hospital, nursing home, clinic, or other health care institution. Their duties vary with the size of the establishment in which they work. In a small hospital they may perform all types of duties in the department, and may also help out in the business admitting offices. In larger hospitals and health centers, they may serve as assistants to the medical record administrator and/or they may specialize in one or more areas through concentrated study.

Job Description: Medical record technicians serve as technical assistants to the registered record administrator, carrying out the many technical activities within a medical record department. The medical record technician's duties chiefly include: (1) reviewing medical records for completeness and accuracy, and coding diseases and operations; (2) filing medical records, supervising file clerks, and preparing records for microfilming; (3) typing medical reports of operations, x-ray and laboratory examinations, and special treatments given to patients; (4) compiling various statistics, including the hospital's daily census and information on reportable diseases for public health authorities and others; (5) assisting the medical staff by preparing special studies and tabulating data from records for research; and (6) functioning within the day-to-day operation of a medical record department, taking records to court, and maintaining the flow of health information to all departments of the hospital.

Employment Characteristics: Although the demand for medical record technicians is greatest in hospitals, other areas of employment may include nursing homes, out-patient clinics, rehabilitation centers, state and local health departments, and large group medical practices.

Educational Programs:

Length: Programs are generally two years offering an associate degree.

Prerequisites: High school diploma or equivalent.

Curriculum: Educational programs for medical record technicians include theoretical instruction and practical hospital experience. Required courses include medical terminology, anatomy and physiology, medical record science, machine transcription statistics, coding and indexing, hospital procedures, and directed clinical practice. Both the AMA and the American Medical Record Association believe that an accredited record technician should have the opportunity to complete academic requirements for registration as a medical record administrator. Medical record technician and medical record administrator educational programs should be coordinated to allow ease of progression, avoid subject matter duplication, and minimize loss of academic credit.

Certification/Registration: Graduates of accredited educational programs for medical record technicians may apply to the certification examination administered by the American Medical Record Association. An individual meeting the requirements of the Association is recognized as an ART, Accredited Record Technician. Since 1955, approximately 18,090 persons have successfully completed the qualifying examination to become ARTs.

For further information, contact:

American Medical Record Association
875 N Michigan Ave
Suite 1850
Chicago, IL 60611

MEDICAL TECHNOLOGIST

Laboratory tests play an important role in the detection, diagnosis, and treatment of many diseases. Many laboratory workers perform these tests under the supervision or direction of pathologists (physicians who diagnose the causes and nature of disease) and other physicians, or scientists who specialize in clinical chemistry, microbiology, or the other biological sciences. Medical laboratory workers develop data on the blood, tissues, and fluids in the human body by using precision instruments such as microscopes and automatic analyzers.

Job Description: In addition to the skills possessed by medical laboratory technicians, medical technologists perform complex analyses, fine line discrimination of several items, and correction of errors. They are able to recognize interdependency of tests and have knowledge of physiological conditions affecting test results in order to confirm these results and to develop data which may be used by a physician in determining the presence, extent, and, as far as possible, the cause of disease.

Medical technologists assume responsibility for, and are held accountable for, accurate results. They establish and monitor quality control programs and design or modify procedures as necessary. Tests and procedures performed or supervised by medical technologists in the clinical laboratory center about the major areas of hematology, bacteriology, serology, immunology, clinical chemistry, blood banking, urinalysis, mycology and parasitology.

Employment Characteristics: Most medical technologists are employed in hospital laboratories. The remainder are chiefly employed in physician's private laboratories, clinics, in the armed forces, by city, state, and federal health agencies, in industrial medical laboratories, in pharmaceutical houses, and in numerous public and private research programs dedicated to the study of specific diseases.

Medical laboratory personnel generally work a 40-hour week. Salaries vary depending on the employer and geographic location. Employment opportunities for medical laboratory workers are expected to be favorable through the mid-1980's.

Educational Programs:

Length: 12 months of clinical training.

Prerequisites: Minimum of 90 semester hours (135 quarter hours) of academic credit in a college or university approved by a recognized regional accrediting agency. This academic credit must include 16 semester hours of biological science (with one course in microbiology), 16 semester hours of chemistry (with one course in organic or biochemistry), and one semester of mathematics.

Curriculum: There must be a structured laboratory program, including technical instruction pertaining to procedures in hematology, serology, clinical chemistry, microbiology and other areas pertinent to the total function and scope of the medical technologist in the clinical laboratory. Emphasis is placed upon basic principles commonly used in diagnostic laboratory tests.

Certification/Registration: Graduates of accredited programs for medical technology may apply to the Board of Registry of the American Society of Clinical Pathologists to take the certification examination. An individual meeting the requirements of the Board is recognized as MT(ASCP), Medical Technologist.

For further information, contact:

Board of Registry
American Society of Clinical Pathologists
PO Box 4872
Chicago, IL 60680

NUCLEAR MEDICINE TECHNOLOGIST

Nuclear medicine is the scientific and clinical discipline concerned with diagnostic, therapeutic (exclusive of sealed radiation sources) and investigative use of radionuclides. The skills of nuclear medicine technologists complement those of the nuclear medicine physician and other professionals in the field.

Job Description: Nuclear medicine technologists receive, position, and attend to patients; abstract data from patient records; make dose calculations for in vivo studies; and assist the physician in the operation of scanning devices using isotopes. They are greatly concerned with safety and have responsibility for disposal of radioactive waste, safe storage of radioactive material, and the inventory and control of radiopharmaceuticals.

Employment Characteristics: The employment outlook in nuclear medicine technology is very bright. Opportunities may be found both in major medical centers and in smaller hospitals, with special emphasis on positions in research, education and administration.

Educational Programs:

Length: Generally, programs are 1 year. Institutions offering accredited programs may provide an integrated educational sequence leading to an associate or baccalaureate degree over a period of two or four years.

Prerequisites: High school diploma or equivalent and postsecondary courses in anatomy and physiology, basic physics, basic mathematics, medical terminology, oral and written communications, general chemistry, psychology and sociology, and medical ethics and jurisprudence. Qualified medical technologists MT(ASCP) or eligible, radiographers, RT (R) (AART) or eligible, and registered nurses, RN, are presumed to have the necessary credentials to meet the entrance requirements.

Curriculum: The curriculum includes patient care, nuclear physics, instrumentation and statistics, health physics, biochemistry, immunology, radionuclide chemistry, radiopharmacy, administration, radiation biology, clinical nuclear medicine, radionuclide therapy, and introduction to computer application.

Certification/Registration: Graduates of accredited programs in nuclear medicine technology may apply for certification by the American Registry of Radiologic Technologists, (ARRT), the Board of Registry of the American Society of Clinical Pathologists (ASCP), and/or the Nuclear Medicine Technology Certification Board (NMTCB). An individual meeting the ARRT requirements is recognized as (RT) (N) (ARRT), those certified by the Board of Registry of ASCP are identified as NM(ASCP), and those certified by NMTCB are designated CNMT.

For further information, contact:

Nuclear Medicine Technology Certification Board
PO Box 1034
Stone Mountain, GA 39986
(404) 292-2661

American Society of Clinical Pathologists
PO Box 4872
Chicago, IL 60680
(312) 738-1336

American Registry of Radiologic Technologists
2600 Wayzata Blvd
Minneapolis, MN 55405
(612) 377-8416

OCCUPATIONAL THERAPIST

Occupational therapy is the art and science of directing man's participation in selected tasks to restore, reinforce and enhance performance, to facilitate learning of those skills and functions essential for adaption and productivity, to diminish or correct pathology, and to promote and maintain health. Reference to occupation in the title is in the context of man's goal-directed use of time, energy, interest, and attention. Its fundamental concern is the development and maintenance of the capacity, throughout the life span, to perform with satisfaction to self and others those tasks and roles essential to productive living and to the mastery of self and the environment.

Job Description: Occupational therapists provide services to those individuals whose abilities to cope with tasks of living are threatened or impaired by developmental deficits, the aging process, poverty and cultural differences, physical injury or illness, or psychologic and social disability. Individuals are helped to attain the highest possible functional level, to become self-reliant, and to balance work and leisure in their lives through selected educational vocational and rehabilitation activities.

Employment Characteristics: Occupational therapists work in hospitals, schools, and mental health and public agencies. The wide population served by occupational therapists are located in a variety of settings such as clinics, rehabilitation facilities, long-term facilities, extended care facilities, schools and camps, and private homes. Occupational therapists both receive from and make referrals to the appropriate health, educational, or medical specialists.

Educational Programs:

Length: Programs entail 4 years of college or university preparation leading to a baccalaureate degree. Post-baccalaureate programs leading to a certificate or masters degree are offered, also.

Prerequisites: Applicants should have a high school diploma or equivalent. A baccalaureate degree is a prerequisite for post-baccalaureate occupational therapy programs.

Curriculum: Curricula of accredited programs are required to include basic human sciences, the human development process, specific life tasks and activities, health and illness, and occupational therapy theory and practice, which includes a minimum of six months of supervised field experiences.

The philosophy underlying the education of the occupational therapist is that it must be broadly based in the humanities and sciences. Studies in the biological sciences such as anatomy and physiology, behavioral sciences such as psychology and sociology, humanities, and the arts, provide a foundation for specialized professional subjects and the required field work experience.

Certification/Registration: Graduates of accredited educational programs who have completed required field-work experience may apply to sit for the certification examination administered by the American Occupational Therapy Association. An individual meeting the requirements is recognized as OTR, Occupational Therapist, Registered, by the American Occupational Therapy Association. The AOTA maintains a registry of individuals who meet its specified qualifications. Since 1947, approximately 21,300 candidates have taken the AOTA certification examination for OTR for the first time, including nearly 450 foreign graduates.

For further information, contact:

American Occupational Therapy Association
Division of Certification
6000 Executive Blvd, Suite 200
Rockville, MD 20852

OPHTHALMIC MEDICAL ASSISTANT

In ophthalmology medical assistants play a directly supporting role to the physician. Ophthalmic medical assistant are skilled persons qualified by academic and clinical training to carry out diagnostic and therapeutic procedures under the direction and responsibility of the physician.

Job Description: Ophthalmic medical assistants assist ophthalmologists by performing delegable tasks, collecting data, and administering or supervising treatment ordered by ophthalmologists. Their duties may include: (a) taking a medical history, administering diagnostic tests, making anatomical and functional ocular measurements, testing ocular functions (including visual acuity, visual fields and sensorimotor functions), administering topical ophthalmic medications and other medications, instructing the patient (as in home care and in use of contact lenses); (b) care and maintenance of optical instruments, care maintenance and sterilization of surgical instruments, and maintenance of ophthalmological office equipment; (c) assisting in ophthalmic surgery in the office or hospital; (d) making optical measurements, administering orthoptic and pleoptic procedures; (e) carrying out ocular electroneurological procedures; (f) assisting in the fitting of contact lenses; (g) fitting, making minor repairs on, and adjusting spectacles; (h) clinical photography; and (i) such other tasks as may be delegated consistent with sound medical practice.

Employment Characteristics: Ophthalmic medical assistants render supportive services to the ophthalmologist. They are employed primarily by ophthalmologists, but may be employed by medical institutions, clinics or physician groups and assigned to an ophthalmologist who is responsible for their direction. Ophthalmic medical assistants may be involved with patients of an ophthalmologist in any setting for which the ophthalmologist is responsible.

Educational Programs:

Length: Programs are generally 1 to 4 years.

Prerequisites: High school diploma or equivalent.

Curriculum: Instruction should follow a planned outline which includes courses in anatomy and physiology, medical terminology, medical law and ethics, psychology, ocular anatomy, physiology, ophthalmic optics, microbiology, ophthalmic pharmacology and toxicology, ocular motility, diseases of the eye, diagnostic and treatment procedures including visual field testing, contact lenses, ophthalmic surgery, care and maintenance of ophthalmic instruments and equipment, and supervised clinical experience. Students must also have a supervised clinical experience, during which they have opportunities to apply theory to practice through correlated and supervised instruction in clinical practice areas.

Certification/Registration: Graduates of accredited educational programs for ophthalmic medical assistants may apply to take the certification examination administered by the Joint Commission on Allied Health Personnel in Ophthalmology. An individual meeting the requirements of the Commission is recognized as an Ophthalmic Medical Assistant. More than 1,000 ophthalmic medical assistants have been certified by JCAHPO.

For further information, contact:

Joint Commission on Allied Health
Personnel in Ophthalmology
1575 University Ave
St. Paul, MN 55104

PHYSICAL THERAPIST

Physical therapy is concerned with the restoration of function and the prevention of disability following disease or injury of the muscles, nerves, joints, or bones, or loss of bodily part. In addition, emphasis is placed on preparing patients psychologically for treatment. Since the seriously disabled are often emotionally distraught and burdened by feelings of the hopelessness, ways must be found to eliminate these barriers and gain the confidence of patients before effective long-range treatment can commence.

Job Description: Physical therapists apply therapeutic properties of exercise, heat, cold, water, electricity, ultrasound, and massage to improve circulation, strengthen muscles, encourage the return of motion, and generally, to train or retrain the patient to perform the activities associated with daily living. They perform and interpret tests and measurements for muscle strength, motor development, functional capacity, and respiratory and circulatory efficiency to develop programs for treatment. They evaluate the effectiveness of the treatment and discuss the patients' progress with other health-related professionals.

Employment Characteristics: About three-fourths of all physical therapists work in hospitals or nursing homes; and a majority of the rest work in rehabilitation centers or schools for crippled children. Employment opportunities for physical therapists are expected to be favorable through the mid-1980's.

Educational Programs:

Length: There are two levels of programs: a four-year program in a college or university leading to a baccaleureate degree; or a post-baccalaureate program leading to a certificate or masters degree.

Prerequisites: High school diploma or equivalent for the 4-year program; or a baccalaureate degree for the post-baccalaureate program.

Curriculum: The curriculum includes human anatomy, physiology, pathology, psychology, clinical medicine, tests and measurements, therapeutic exercise and assistive devices, physical agents, and clinical application of physical therapy theory and procedures.

Licensure: Those persons completing an accredited educational program and the required clinical experience may apply for licensure and/or registration in the state in which they wish to practice. Inquiries concerning licensure should be directed to the licensure board of the individual state. Addresses are listed twice a year in *Physical Therapy, Journal of the American Physical Therapy Association,* 1156 15th Street, NW, Washington, DC 20005. Or, information concerning the nature and scheduling of state board licensing examinations can also be obtained from Interstate Reporting Service, Professional Examination Service, 475 Riverside Dr, New York, NY 10027.

RADIATION THERAPY TECHNOLOGIST

The primary function of the professional in radiologic technology is to assist a physician, usually a radiologist, in using ionizing radiation in the diagnosis (radiographer) and treatment (radiation therapy technologist) of disease. Both professionals operate radiologic (x-ray) equipment under the general direction of a physician.

Radiation therapy technologists[1] assist therapeutic radiologists[2] in all aspects of radiation therapy treatment; their primary responsibility consists of exposing specific areas of the patient's body to prescribed doses of ionizing radiation. Radiation therapy technologists also provide appropriate patient care; this includes exercising judgment when administering treatment and adhering to the principles of radiation protection for the self, patient, and others.

Job Description: Radiation therapy technologists are responsible for administering radiation therapy treatments according to the prescription and instructions of the physician, usually a therapeutic radiologist (radiation oncologist). With minimum supervision, radiation therapy technologists administer prescribed ionizing radiation treatments through a variety of therapeutic equipment, including high energy linear accelerators, radioactive isotopes, and particle generators. They also observe the patient during the course of treatment in order to report any unusual or adverse reactions. Radiation therapy technologists must maintain radiation safety for patients, clinical personnel, and themselves, and must be able to assist in treatment planning procedures, including tumor localization and dosimetry.

Employment Characteristics: Most radiation therapy technologists work in hospitals. In addition, positions in community cancer centers, private offices, and civil service and public health facilities may be open to qualified professionals. Full-time radiation therapy technologists usually work 40 hours per week. Salaries naturally vary according to experience, ability, and geographic location, but they are generally competitive with those of professions requiring comparable educational preparation. Entry salaries range from $9,500 to $13,000. The nation-wide shortage of radiation therapy technologists results in widely varying employment opportunities and salary ranges.

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[1] Also called radiation oncology technologist

[2] Also called radiation oncologists

Educational Programs:

Length: Programs are generally one or two years, depending on program design and objectives and on student qualifications.

Prerequisites: Applicants for the one-year program must either be a graduate of a CAHEA-accredited educational program in radiography, be a registered nurse with an educational background in radiation physics, or have other acceptable qualifications. Applicants for the two-year program must either,be a high school graduate or have other acceptable qualifications; the educational background must include the basic sciences and mathematics.

Curriculum: All curricula of accredited programs include human structure and function; radiation and radionucleide physics; mathematics; pathology; radiation therapy; radiation safety; oncology; brachytherapy; treatment planning; patient care; professional ethics; and records and statistics.

Certification/Registration: The American Registry of Radiologic Technologists (AART) determines eligibility for certification/registration. Graduates of accredited educational programs for radiation therapy technologists may apply as candidates for ARRT certification. In fiscal year 1978, 331 students took the radiation therapy technology examination; as of June 30, 1978, AART records included 1,637 certified radiation therapy technologists. An individual meeting the requirements of the registry is recognized as RT(T) (AART), Registered Technologist.

For further information, contact:

American Registry of Radiologic Technologists
2600 Wayzata Blvd
Minneapolis, MN 55405
(612) 377-8416

RADIOGRAPHER

The primary function of the professional in radiologic technology is to assist a physician, usually a radiologist, in using ionizing radiation in the diagnosis (radiographer) and treatment (radiation therapy technologist) of disease. Both professionals operate radiologic (x-ray) equipment under the general direction of a physician.

Radiographers are qualified by education to provide patient services using imaging modalities, as directed by physicians qualified to order and/or perform radiologic procedures. Radiographers provide patient care essential to radiologic procedures; this includes exercising judgment when performing medical imaging procedures. When providing patient services, the radiographer adheres to the principles of radiation protection for the patient, self, and others

Job Description: Radiographers accurately demonstrate anatomical structures on a radiograph by applying knowledge of anatomy, positioning, and radiographic technique. Radiographers must also be able to recognize emergency patient conditions and initiate lifesaving first aid. Additional duties may include maintaining equipment, processing film, keeping patient records, and performing various office tasks. Radiographers may be required to perform some of these duties at the patients' bedisde or in the operating room.

Employment Characteristics: Most radiographers work in hospitals. In addition, positions in clinics, private offices, industry, and civil service and public health facilities may be open to qualified professionals. Full-time radiographers usually work 40 to 44 hours per week. Salaries naturally vary according to experience, ability, and geographic location, but they generally are competitive with those of professions requiring comparable educational preparation. Entry salaries range from $8,000 to $11,000. Although employment opportunities are plentiful in most areas of the nation, there are some indications of a developing surplus of radiographers in certain areas.

Educational Programs:

Length: Programs are generally 2–4 years, depending on program design and objectives and on student qualifications.

Prerequisites: Applicants should have a high school diploma (or equivalent), have other acceptable preparation, or have successfully completed a college entrance examination. Courses in physics, chemistry, biology, algebra, and geometry are strongly recommended.

Curriculum: Curricula of accredited programs includes medical terminology, human structure and function; radiation biology; radiation protection; radiographic evaluation; patient care; and professional ethics. Related subjects may be required by the degree-granting institution. Supervised clinical education in an actual clinical environment is an essential part of the curriculum of all radiography programs.

Certification/Registration: The American Registry of Radiologic Technologists (ARRT) determines eligibility for certification/registration. Graduates of accredited educational programs for radiographers may apply as candidates for ARRT certification. An individual meeting the requirements of the registry is recognized as RT(R((ARRT). In fiscal year 1978, 9,155 students took the radiography exam for the first time.

For further information, contact:

American Registry of Radiologic Technologists
2600 Wayzata Blvd
Minneapolis, MN 55405

Licensure: Several states require satisfactory completion of a state licensure examination to practice as a radiographer. This information should be available from individual programs.

RESPIRATORY THERAPIST

Respiratory (formerly inhalation) therapy personnel perform procedures crucial in maintaining the lives of seriously ill patients with respiratory problems, and they assist in the treatment of patients with heart and lung ailments.

Job Description: Respiratory therapists, like respiratory therapy technicians, administer various types of gas, aerosol, and breathing treatments; assist with long-term continuous artificial ventilation; clean, sterilize and maintain respiratory therapy equipment; and maintain records of patient's therapy. The therapists' training leads to more extensive knowledge of anatomy, physiology, pharmacology and clinical medicine, designed to enable the therapist to exercise more judgment and accept greater responsibility in performing therapeutic procedures based on observations of patients. Suitably qualified therapists have a good opportunity to advance to positions as department heads or instructors.

Employment Characteristics: Respiratory therapy personnel are employed in hospitals, nursing care facilities, clinics, physician's offices, companies providing emergency oxygen services, and municipal organizations.

Educational Programs:

Length: Two year minimum leading to an associate degree, or, in some instances, a baccalaureate degree.

Prerequisites: High school diploma or equivalent.

Curriculum: Biological and physical sciences basic to understanding the functioning of the human breathing system, such as anatomy, physiology, medical terminology, chemistry, mathematics, microbiology, physics, therapeutic procedures, clinical medicine and clinical expressions. The courses are more extensive for the respiratory therapist than for the respiratory therapy technician, and the program of study also includes social sciences basic to understanding how to relate with patients—such as psychology, communication skills and medical ethics. Clinical training in routine and special procedures applicable to pediatric, adult, and geriatric patients is also provided.

Certification/Registration: Graduates of two-year programs may apply to sit for the written and practical examinations for the therapist level administered by the National Board for Respiratory Therapy. An individual meeting the requirements is recognized as RRT, registered respiratory therapists. All candidates who sit for the certification examination after January 1, 1975 must be a graduate of a CAHEA-accredited program.

For further information, contact:

National Board for Respiratory Therapy
1900 W 47th Pl, Suite 24
Westwood, KS 66205

Licensing: Arkansas requires satisfactory completion of a state licensing examination; however, activity directed to this end has declined in response to a moratorium requested by the American Hospital Association and the American Medical Association. It is their hope that an orderly system of certification on a nationwide basis will provide an adequate means of identifying persons eligible to enter the health manpower labor force, without resorting to legislative activity in each of the 50 states to cover each allied health occupation.

RESPIRATORY THERAPY TECHNICIAN

Respiratory (formerly inhalation) therapy personnel perform procedures crucial in maintaining the lives of seriously ill patients with respiratory problems, and they assist in the treatment of patients with heart and lung ailments.

Job Description: Under medical supervision, respiratory therapy technicians administer various types of gas, aerosol, and breathing treatments; assist with long-term continuous artificial ventilation; clean, sterilize and maintain respiratory therapy equipment; and maintain records of patient's therapy.

Employment Characteristics: Respiratory therapy personnel are employed in hospitals, nursing care facilities, clinics, doctor's offices, companies providing emergency oxygen services, and municipal organizations.

Educational Programs:

Length: One year.

Prerequisites: High school diploma or equivalent.

Curriculum: Courses include biological and physical sciences basic to understanding the functioning of the human breathing system, such as anatomy, physiology, medical terminology, chemistry, mathematics, microbiology, physics, therapeutic procedures, clinical medicine, and clinical expressions. Clinical training in routine and special procedures applicable to pediatric, adult, and geriatric patients is also provided.

Certification/Registration: Graduates of one-year and two-year programs may apply to sit for the technician level examination administered by the National Board of Respiratory Therapy. An individual meeting the NBRT requirements is recognized as CRTT, certified respiratory technician. All candidates who sit for the certification examination after January 1, 1975 must be a graduate of a CAHEA-accredited program.

For further information, contact:

National Board for Respiratory Therapy
1900 W 47th Pl, Suite 124
Westwood, KS 66205

Licensure: Arkansas requires satisfactory completion of a state licensing examination; however, activity directed to this end has declined in response to a moratorium requested by the American Hospital Association and the American Medical Association. It is their hope that an orderly system of certification on a nationwide basis will provide an adequate means of identifying persons eligible to enter the health manpower labor force, without resorting to legislative activity in each of the 50 states to cover each allied health occupation.

SPECIALIST IN BLOOD BANK TECHNOLOGY

Specialists in blood bank technology perform both routine and specialized tests in blood bank immunohematology in technical areas of the modern blood bank and transfusion services using methodology that conforms to the "Standards for Blood Banks and Transfusion Services" of the American Association of Blood Banks.

Job Description: Specialists demonstrate a superior level of technical proficiency and problem solving ability in such areas as: 1) testing for blood groups antigens, compatability, and antibody specification; 2) investigating abnormalities such as hemolytic diseases of the newborn, hemolytic anemias, and adverse response to transfusion; 3) supporting physician in transfusion therapy, including patients with coagulapathies or candidates for homologous organ transplant. Supervision, management and/or teaching comprise a considerable part of the specialist in blood bank technology's responsibilities.

Employment Characteristics: Specialists in blood banking work in many types of facilities including community blood centers, private hospital blood banks, university affiliated blood banks, transfusion services, independent laboratories and Red Cross Blood Centers, and they may also be a part of a university faculty. Specialists may work some weekends and night duty, including emergency calls. The employment outlook is favorable, and currently the demand for specialists exceeds the supply. Qualified specialists may advance to supervisory or administrative positions, or move into teaching or research activities. The criteria for advancement in this field are experience, technical expertise, and completion of advanced education courses.

Educational Programs:

Length: The minimal length of the educational program must be 12 consecutive months.

Prerequisites: Applicants must be certified in medical technology by the Board of Registry of the American Society of Clinical Pathologists, or possess a baccalaureate degree from an accredited college or university with a major in any of the biological or physical sciences; and a minimum of one year of experience in clinical laboratory work acceptable to the medical director of the program.

Curriculum: The specific educational program defines its own criteria for measurement of student achievement, and the sequence of instruction is at the discretion of the medical director of the program. The clinical material available in the educational program provides the student with a full range of experiences. The educational design and environment are conductive to the development of competence in all technical areas of the modern blood bank and transfusion services. The didactic experience covers all theoretical concepts of blood bank immunohematology.

Certification/Registration: Graduates of accredited programs for specialist in blood bank technology may apply to the Board of Registry of the American Society of Clinical Pathologist to take the certification examination. The Committee on Education of the American Association of Blood Banks under the direction of its Board of Directors, and with the cooperation of the Board of Registry of the American Society of Clinical Pathologists, prepares and administers the examination. An individual meeting the requirements of the Board is recognized as MT(ASCP)SBB, Specialist in Blood Bank Technology.

For further information, contact:
Board of Registry
American Society of Clinical Pathologists
PO Box 4872
Chicago, IL 60680

SURGEON'S ASSISTANT

The purpose of the physician's assistant in primary care and surgery is to help the physician and surgeon provide personal health services to patients under their care. Surgeon's Assistants (SAs) may be involved with patients of the surgeon in any medical setting for which the surgeon is responsible. They perform a number of functions and tasks formerly done only by surgeons in the operating room, the emergency room, in the pre- and post-operative care of the hospitalized patient, in the surgeon's office practice, and other settings.

Job Description: Surgeon's assistants perform selected diagnostic and therapeutic functions and tasks in order to allow surgeons to extend their services through more effective use of their knowledge, skills and abilities. Surgeon's assistants gather the data necessary for the surgeon to reach a decision and help in implementing the therapeutic plan for the patient. Tasks performed by assistants include transmission and execution of the surgeon's orders and such diagnostic and therapeutic procedures as may be delegated by the supervising surgeon. Such tasks and functions include but need not be limited to

1. eliciting a detailed and accurate health history from a patient of any age; performing an appropriate physical examination; and recording and presenting data to the supervising surgeon in a meaningful manner;
2. performing or assisting in routine laboratory work and related diagnostic studies as appropriate for a given practice;
3. performing therapeutic procedures common to the surgical practice;
4. helping the supervising surgeon in making rounds of hospitalized patients, recording patient progress notes, executing standing and other orders, and preparing comprehensive case summaries; and,
5. assisting in operative procedures and in the provision of care to patients in the surgical office.

Employment Characteristics: Surgeon's Assistants are prepared to help in any medical setting in which the surgeon functions. They may work in an area of surgery which requires a wide variety of procedures such as those performed by general surgeons in community hospitals or in the surgical specialty of their supervising physician.

Surgeon's assistants commonly work in both the hospital and the surgical office practice. A normal work week often ranges between 45 and 55 hours. In addition, may be expected to assume responsibility for additional hours of the week on call.

Salaries vary depending on the experience and education of the individual, the economy of a given region, the nature of the surgical practice, and the time demands of the work schedule and responsibilities. Starting salaries range from the mid and upper teens and progress upward to $30,000 and higher. It is anticipated that the demand for surgeon's assistants will continue to exceed the supply during the immediate future.

Educational Programs:

Length: It is anticipated that a majority of surgeon's assistant programs will be designed for 24 months of clinical didactic and supervised clinical practice experience.

Prerequisites: Background, education, and experience in a health occupation is helpful, and consideration is given for the knowledge and abilities one has acquired in that preparation. In addition, two years of undergraduate study is required and should include studies in biology, chemistry, physics, algebra, geometry, and the behavioral sciences.

Curriculum: The curricula of accredited programs are expected to be achievement oriented, with defined behavioral objectives for the various courses of instruction. Clinical didactic instruction includes but is not limited to the study of medical nomenclature, anatomy, physiology, pharmacology, the fundamentals of general surgery and surgical patient care, asepsis, radiographic interpretation, electrocardiogram recording technique and interpretation, pulmonary function tests, inhalation therapy, and communication skills including listening and interviewing. The supervised clinical practice components of the curriculum are designed to develop the students' increasing competencies in eliciting a health history and in performing a physical examination, in providing assistance to the surgeon during surgery, and in performing preoperative and postoperative care procedures under the tutelage and supervision of the resident surgical staff. Included also is a period of instruction which focuses on the care of acutely injured patients within an emergency care service.

Certification/Registration: Graduates of accredited educational programs for surgeon's assistants may apply for examination to the National Commission on Certification for Physician's Assistants. Individuals who meet the requirements of the Commission are recognized as PAC, Physician's Assistant-Certified, and as having special competence in surgery.

For further information, contact:
National Commission on Certification of Physician's
Assistants, Inc.
3384 Peachtree Rd, NE, Suite 560
Atlanta, GA 30326

Licensure: Forty-five states have enacted legislation affecting PAs. In some states, the laws have simply reconfirmed the physician's traditional delegatory authority to assign patient care responsibilities to qualified individuals who work under their supervision. Laws in other states invest a regulatory authority in a state agency to establish rules for the recognition and use of PA's. These too vary among states. Often the laws specify the qualifications the surgeon's assistant must have, and hold authority to approve of the individual SA's job description and to approve the physician who will supervise the SA.

SURGICAL TECHNOLOGIST (OPERATING ROOM TECHNICIAN)

Surgical technologists works principally in the operating room performing functions and tasks that provide for a safe environment for surgical care, contribute to the efficiency of the operating team, and support operating surgeons, nurses and others involved in operative procedures. Surgical technologists also work in other patient service settings which call for special knowledge about asepsis, or about the methods of making or keeping an environment antiseptic.

Job Description: Because of marked variations in practice resulting from geographic, sociologic and economic factors, the ultimate role of surgical technologists is not rigidly defined. Surgical technologists perform functions and tasks in support of operating surgeons, nurses, and other personnel, which contribute to patient care and safety, to efficiency and cleanliness of the operating team, and to cleanliness of the surgical environment. Knowledge of and experience with aseptic surgical technique qualify surgical technologists to prepare instruments and materials for use at the operating table and elsewhere and to assist in the use of these materials.

Employment Characteristics: A majority of surgical technologists work in hospitals, principally in operating rooms and occasionally in emergency rooms and other settings which call for knowledge about and ability in maintaining aspesis. A much smaller number work in a wide variety of settings and arrangements including out-patient surgicenters either under the employ of surgeons or as self-employed technologists.

Those who work in hospitals and other institutional settings are usually expected to work rotating shifts to assure adequate staffing for emergency surgical procedures which may need to be done evening, night, weekend and holiday hours. Others may need to accommodate on-call work assignments. As a rule, surgical technologists work a standard work day.

Salaries vary depending upon the experience and education of the individual, the economy of a given region, the responsibilities of the position, and the working hours. Starting annual salaries begin in the range of $6,500 with more experienced technologists earning incomes of $12,000 and higher. Demand for technologists varies among communities and geographic regions. Prospective students are advised to assess the market for graduates within the region in which they would like to work before matriculating in an educational program. Such information is likely to be available through local employment offices, local accredited programs, and hospital councils or hospitals.

Educational Programs:

Length: Programs vary in length from 6 to 20 months. This variation is largely due to differences in student selection criteria and in the educational objectives of individual programs. A majority of which are not designed around an associate degree model are of 9 to 10 months in length. The shorter programs are those designed for students who have successfully completed a course of instruction in practical nursing.

Prerequisites: High school diploma or equivalent.

Curriculum: Accreditation standards require clinical didactic and supervised practice instruction including an orientation to medical terminology, professional ethics and medical-legal aspect of surgical care, to weights and measures as they pertain to operative procedures, and to anatomy, physiology, pathology, asepsis, and anesthesia. Instruction in the proper use and care of surgical equipment and safe methods of transporting and positioning surgical patients is also essential. In addition, supervised clinical practice is required in surgical procedures common to general surgery, obstetrics and gynecology, ophthalmology, otorhinolaryngology, pediatrics, plastic surgery, urology, orthopaedic surgery, neurosurgery, thoracic surgery, cardiovascular surgery, oral surgery and peripheral vascular surgery. The curriculum is not expected to be designed to develop students' competency in the more complicated surgical procedures.

Certification: Graduates of surgical technology and operating technician programs may apply for certification to the Liaison Committee on Certification, c/o Association of Surgical Technologists, Inc. The national certifying examination is maintained and administered by the Psychological Corporation of New York City. Individuals who satisfy certification requirements are recognized as CST, certified surgical technologist.

For further information, contact:

Liaison Committee on Certification
Association of Surgical Technologists, Inc.
1100 W Littleton Blvd
Suite 201
Littleton, CO 80120

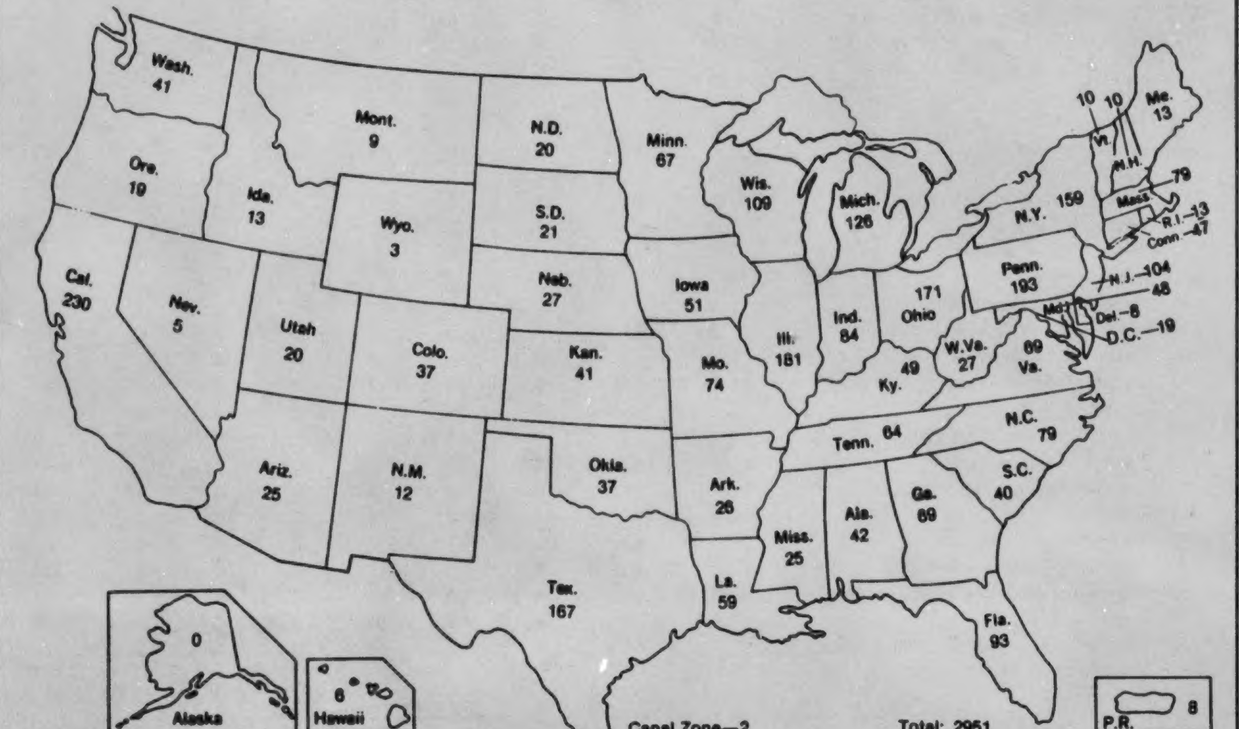
Section IV: Statistical Data and Computer Listings of Accredited Programs

Introduction

In February 1979, the Annual Report Questionnaire was mailed to every sponsor of an allied health educational program accredited by the Committee on Allied Health Education and Accreditation (CAHEA). The information contained in the following chapters in this section was obtained from the completed questionnaires, from the Department of Allied Health Evaluation program records, and from up-dates submitted by review committees. The listings and numbers of accredited programs in "Accredited Educational Programs Listed by Sponsoring Institution," "Accredited Educational Programs Listed by Occupational Type," and "Statistical Data" are correct as of the last CAHEA meeting during the calendar year of 1978; i.e., October 30, 1978. Any actions taken by CAHEA since that time to accredit new programs, or discontinue accreditation of others, is not reflected by these lists. The information on the number of students enrolled and graduated pertains only to the 1977–78 school year. All other information is accurate as of the 1978 Annual Report Questionnaire, or has been updated subsequently to reflect changes made in computer data up until July 15, 1979.

Any corrections to these lists should be brought to the attention of the review committee involved, which must approve and submit all changes to the AMA Department of Allied Health Evaluation. Discrepancies in information may occur due to the time lag in inputting the information into the computer and the date the *Directory* is published. Programs are not listed unless they were officially accredited by CAHEA by the October, 1978 meeting. Program officials are not listed until they have been approved by the review committee and/or CAHEA.

Figure IV-1—**Total CAHEA Accredited Allied Health Educational Programs**


Wash. 41
Ore. 19
Cal. 230
Ida. 13
Nev. 5
Mont. 9
Wyo. 3
Utah 20
Colo. 37
Ariz. 25
N.M. 12
N.D. 20
S.D. 21
Neb. 27
Kan. 41
Okla. 37
Tex. 167
Minn. 67
Iowa 51
Mo. 74
Ark. 26
La. 59
Wis. 109
Ill. 181
Mich. 126
Ind. 84
Ohio 171
Ky. 49
Tenn. 64
Miss. 25
Ala. 42
Ga. 69
Fla. 93
S.C. 40
N.C. 79
Va. 69
W.Va. 27
Penn. 193
N.Y. 159
Vt. 10
N.H. 10
Me. 13
Mass. 79
R.I.—13
Conn.—47
N.J.—104
Md. 48
Del.—8
D.C.—19
Alaska 0
Hawaii 6
P.R. 8
Canal Zone—2
Total: 2951

STATISTICAL DATA

The statistical compilations found in the following tables were taken from statistical computer printouts of computer information used to print the lists of accredited programs. The historical information was taken from reports published annually, beginning in 1936, from the *Journal of the American Medical Association*, in which the information was usually published as part of the report of the Council on Medical Education in the education issue.

In the early years of AMA involvement in allied health education, the relatively small numbers of programs and students made it possible to release statistical reports a few months after information was collected. Today, the large numbers of programs and students make it virtually impossible to maintain and report absolutely accurate current figures. Because of an unavoidable time lag and because of other variables, such as fluctuating reporting dates, differences in starting dates of classes, varying cutoff dates, etc., the comparisons from year to year may not remain consistent. Because of these variables, and because of differences in reporting forms and in reporting year dates, statistical data released by other organizations may vary slightly from these data.

Between 1936 and 1942, accredited allied health educational programs increased slightly but fairly constantly. Between 1943 and 1968, the rate of increase was greater, but between 1969 and 1973, the increase and constancy were similar to those in the 1936–1942 period. After 1973, the number of accredited programs increased more rapidly, reaching a total of 2,834 in 1977. An increase of 117 programs produced a total of 2,951 as of October 31, 1978. Annual increases of CAHEA-accredited programs between 1936 and 1978, categorized by profession, are shown in Figure IV-5.

Historically, the identified need for practitioners in allied health occupations originated in hospitals, which then sponsored educational programs to train individuals to perform certain tasks. Many such programs are being transferred to academic institutions, with the hospital that once sponsored the program now serving as a clinical affiliate. The net result is that the total number of sponsoring institutions decreased in

Figure IV-2—**Sponsors of Allied Health Educational Programs**

	Hospitals/Clinics	Junior/Community Coll. Voc./Technical Schools	Colleges/Universities	Medical Schools	Special Schools	Proprietary Schools	Blood Banks	US Government	Totals
1. Assistant to the Primary Care Physician	6	2	21	17	1	0	0	3	50
2. Cytotechnologist	63	1	13	11	4	1	0	3	96
3. Electroencephalographic Technician	1	0	0	0	0	0	0	0	1
4. Electroencephalographic Technologist	4	3	2	2	0	0	0	1	12
5. Emergency Medical Technician—Paramedic	0	0	0	0	0	0	0	0	0
6. Histologic Technician	30	0	5	1	1	0	0	1	38
7. Medical Assistant	0	83	7	0	15	20	0	0	125
8. Medical Assistant in Pediatrics	0	0	2	0	0	0	0	0	2
9. Medical Laboratory Technician *(Associate Degree)*	0	64	15	3	1	0	0	0	83
10. Medical Laboratory Technician *(Certificate)*	57	46	2	0	8	0	0	3	116
11. Medical Record Administrator	2	1	28	8	0	0	0	1	40
12. Medical Record Technician	3	57	8	0	0	0	0	0	68
13. Medical Technologist	566	0	60	23	8	0	0	22	679
14. Nuclear Medicine Technologist	102	11	9	8	2	0	0	9	141
15. Occupational Therapist	2	0	37	12	0	0	0	0	51
16. Ophthalmic Medical Assistant	0	0	0	1	2	0	0	0	3
17. Physical Therapist	9	0	46	22	0	0	0	1	78
18. Radiation Therapy Technologist	57	11	10	9	3	0	0	1	91
19. Radiographer	587	168	44	13	2	2	0	12	828
20. Respiratory Therapist	34	89	33	7	2	0	0	0	165
21. Respiratory Therapy Technician	68	61	12	5	6	1	0	2	155
22. Specialist in Blood Bank Technology	37	0	4	3	0	0	19	1	64
23. Surgeon's Assistant	0	0	2	1	0	0	0	0	3
24. Surgical Technologist (Operating Room Technician)	17	38	1	0	4	0	0	2	62
Totals	1,645	635	361	146	59	24	19	62	2,951

1974; e.g., where four hospitals each sponsored an allied health educational program, they now affiliate with one academic institution, which sponsors a single program.

The Committee on Allied Health Education and Accreditation currently recognizes eight types of institutions as sponsors of accredited programs. As of October 31, 1978, hospitals/clinics sponsored a total of 1,645 (55%) of the programs, followed by community/junior colleges sponsoring 635 (21%). Figure IV-2 displays the number of programs in each of the 24 allied health occupations, categorized by type of institutional sponsor. Figure IV-3 shows the distribution, by type of institution, of the total number of CAHEA-accredited allied health programs.

The total enrollment for educational programs for all allied health occupations grew from 52,827 in 1944 to 56,000 in 1976, an increase of 3,273 (5.8%). During the same two-year period, the number of graduates increased by 783 (2.7%) moving from 28,325 in 1974 to 29,108 in 1976. Student enrollments demonstrated a marked increase of 11,290 (20.1%) from 1976 to 1977 (including portions of 1978 academic year, as reported by accredited institutions), for a total of 67,390. Enrollment data appears in Figure IV-4.

California, with 230 CAHEA-accredited allied health educational programs, continues to have more CAHEA-accredited programs than any other state, followed by Pennsylvania with 193, Illinois with 181, Ohio with 171, Texas with 167, and New York with 159. The numbers of CAHEA accredited programs by state are given in Figure IV-6, and a map of total CAHEA-accredited programs appears in Figure IV-1.

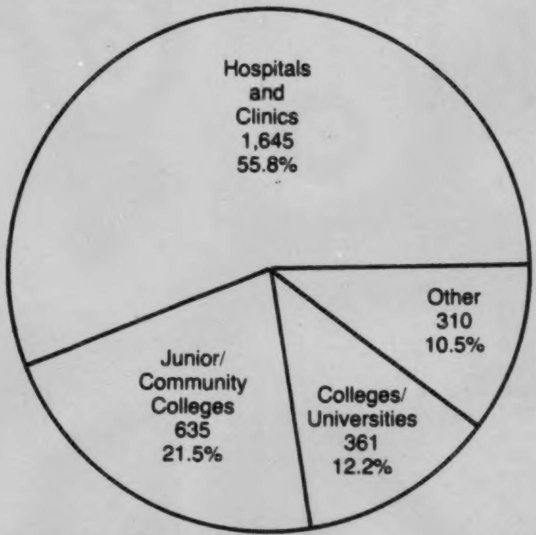


Figure IV-3—Distribution of sponsors of allied health programs—Hospitals and Clinics (55.8%), Junior Community Colleges (21.5%), Colleges/Universities (12.2%), Medical Schools (5%), U.S. Government Institutions (2.1%), Special Schools (2%), Proprietary Schools (.8%), Blood Banks (.6%).

Figure IV-4—**Enrollment Data for each Accredited Allied Health Occupation**

Occupations	No. of Programs 10/31/78	Student Capacity 1977	1977 Student Data Enrollment	1977 Student Data Graduates
1. Assistant to the Primary Care Physician	50	1,694	2,838	1,850
2. Cytotechnologist	96	546	367	329
3. Electroencephalographic Technician	1	5	30	20
4. Electroencephalographic Technologist	12	135	121	85
5. Emergency Medical Technician-Paramedic	0	0	0	0
6. Histologic Technician	38	141	125	112
7. Medical Assistant	125	8,287	9,590	5,027
8. Medical Assistant in Pediatrics	2	25	23	9
9. Medical Laboratory Technician *(Associate Degree)*	83	1,826	2,917	1,109
10. Medical Laboratory Technician *(Certificate)*	116	2,126	2,367	1,644
11. Medical Record Administrator	40	982	1,418	683
12. Medical Record Technician	68	1,616	2,391	834
13. Medical Technologist	679	8,490	6,762	6,519
14. Nuclear Medicine Technologist	141	1,039	531	701
15. Occupational Therapist	51	2,294	2,702	2,118
16. Ophthalmic Medical Assistant	3	47	0	0
17. Physical Therapist	78	2,998	6,132	2,629
18. Radiation Therapy Technologist	91	673	256	286
19. Radiographer	828	24,246	17,886	8,059
20. Respiratory Therapist	165	4,000	6,482	2,579
21. Respiratory Therapy Technician	155	2,583	3,144	1,949
22. Specialist in Blood Bank Technology	64	195	126	119
23. Surgeon's Assistant	3	34	0	36
24. Surgical Technologist *(Operating Room Technician)*	62	1,021	1,182	881
	2,951	65,003	67,390	37,578

Figure IV-5—Number of CAHEA-Accredited Allied Health Educational Programs by Occupation, 1936-1978**

Reporting Year	Assistant to the Primary Care Physician (1971)*	Cytotechnologist (1962)	Electroencephalographic Technician (1973)	Electroencephalographic Technologist (1973)	Emergency Medical Technician—Paramedic (1978)	Histologic Technician (1970)	Medical Assistant (1969)	Medical Assistant in Pediatrics (1972)	Medical Laboratory Technician (Associate Degree) (1971)	Medical Laboratory Technician (Certificate) (1967)	Medical Record Administrator (1943)	Medical Record Technician (1953)	Medical Technologist (1936)
1978	50	96	1	12	0	38	125	2	83	116	40	68	679
1977	48	100	1	9	0	32	113	2	64	116	39	66	667
1976	52	102	1	8	0	27	99	2	38	153	38	58	696
1975	49	103	0	3	0	27	94	2	24	167	35	52	709
1974	43	104	0	0	0	25	73	1	14	181	33	40	715
1973	32	108	0	0	0	17	52	0	5	182	30	36	737
1972	22	112	0	0	0	12	44	0	1	194	30	39	749
1971	0	117	0	0	0	0	12	0	0	212	25	29	773
1970	0	118	0	0	0	0	6	0	0	210	26	18	791
1969	0	118	0	0	0	0	0	0	0	187	27	20	787
1968	0	109	0	0	0	0	0	0	0	0	27	16	787
1967	0	98	0	0	0	0	0	0	0	0	28	12	786
1966	0	92	0	0	0	0	0	0	0	0	28	15	773
1965	0	84	0	0	0	0	0	0	0	0	29	13	781
1964	0	79	0	0	0	0	0	0	0	0	27	14	784
1963	0	77	0	0	0	0	0	0	0	0	28	14	779
1962	0	0	0	0	0	0	0	0	0	0	27	12	757
1961	0	0	0	0	0	0	0	0	0	0	28	12	734
1960	0	0	0	0	0	0	0	0	0	0	21	12	734
1959	0	0	0	0	0	0	0	0	0	0	30	12	702
1958	0	0	0	0	0	0	0	0	0	0	26	11	681
1957	0	0	0	0	0	0	0	0	0	0	30	10	656
1956	0	0	0	0	0	0	0	0	0	0	29	8	618
1955	0	0	0	0	0	0	0	0	0	0	25	7	593
1954	0	0	0	0	0	0	0	0	0	0	24	4	575
1953	0	0	0	0	0	0	0	0	0	0	23	0	538
1952	0	0	0	0	0	0	0	0	0	0	21	0	496
1951	0	0	0	0	0	0	0	0	0	0	18	9	467
1950	0	0	0	0	0	0	0	0	0	0	17	0	443
1949	0	0	0	0	0	0	0	0	0	0	13	0	383
1948	0	0	0	0	0	0	0	0	0	0	12	0	337
1947	0	0	0	0	0	0	0	0	0	0	11	0	294
1946	0	0	0	0	0	0	0	0	0	0	10	0	268
1945	0	0	0	0	0	0	0	0	0	0	10	0	256
1944	0	0	0	0	0	0	0	0	0	0	10	0	243
1943	0	0	0	0	0	0	0	0	0	0	9	0	227
1942	0	0	0	0	0	0	3	0	0	0	0	0	174
1941	0	0	0	0	0	0	0	0	0	0	0	0	152
1940	0	0	9	0	0	0	0	9	0	0	0	0	150
1939	0	0	0	0	0	0	0	0	0	0	0	0	141
1938	0	0	0	0	0	0	0	0	0	0	0	0	136
1937	0	0	0	0	0	0	0	0	0	0	0	0	110
1936	0	0	0	0	0	0	0	0	0	0	0	0	96

*Year *Essentials* were originally adopted.

**Figures accurate to October 1978.

Nuclear Medicine Technologist (1969)	Occupational Therapist (1935)	Ophthalmic Medical Assistant (1975)	Physical Therapist (1936)	Radiation Therapy Technologist (1968)	Radiographer (1944)	Respiratory Therapist (1962)	Respiratory Therapy Technician (1972)	Specialist in Blood Bank Technology (1971)	Surgeon's Assistant (1974)	Surgical Technologist (Operating Room Technician) (1972)	Total
141	51	3	78	91	828	165	155	64	3	62	2,951
134	49	0	79	84	838	157	116	60	2	58	2,834
90	43	0	72	63	915	147	55	62	2	18	2,742
65	43	0	68	45	1,022	140	20	61	1	2	2,741
64	41	0	66	39	1,010	126	5	59	0	2	2,650
47	40	0	64	39	1,109	132	1	53	0	0	2,693
35	38	0	60	31	1,113	125	0	53	0	0	2,664
17	36	0	50	16	1,146	82	0	0	0	0	2,519
1	36	0	52	8	1,177	56	0	0	0	0	2,499
0	32	0	49	0	1,152	55	0	0	0	0	2,427
0	32	0	48	0	1,126	44	0	0	0	0	2,189
0	32	0	43	0	1,047	30	0	0	0	0	2,076
0	32	0	42	0	968	21	0	0	0	0	1,971
0	32	0	42	0	901	11	0	0	0	0	1,893
0	32	0	42	0	789	7	0	0	0	0	1,774
0	31	0	42	0	755	0	0	0	0	0	1,726
0	31	0	40	0	718	0	0	0	0	0	1,585
0	31	0	39	0	673	0	0	0	0	0	1,517
0	29	0	40	0	650	0	0	0	0	0	1,486
0	29	0	39	0	609	0	0	0	0	0	1,421
0	29	0	37	0	557	0	0	0	0	0	1,341
0	30	0	37	0	517	0	0	0	0	0	1,280
0	30	0	37	0	456	0	0	0	0	0	1,178
0	29	0	35	0	422	0	0	0	0	0	1,111
0	28	0	36	0	369	0	0	0	0	0	1,036
0	27	0	37	0	329	0	0	0	0	0	951
0	25	0	31	0	310	0	0	0	0	0	883
0	24	0	30	0	283	0	0	0	0	0	822
0	25	0	31	0	267	0	0	0	0	0	783
0	25	0	26	0	224	0	0	0	0	0	671
0	25	0	25	0	211	0	0	0	0	0	610
0	18	0	24	0	161	0	0	0	0	0	508
0	18	0	21	0	130	0	0	0	0	0	447
0	17	0	32	0	112	0	0	0	0	0	427
0	13	0	28	0	0	0	0	0	0	0	294
0	7	0	22	0	0	0	0	0	0	0	265
0	6	0	16	0	0	0	0	0	0	0	196
0	6	0	15	0	0	0	0	0	0	0	173
0	6	0	16	0	0	0	0	0	0	0	172
0	6	0	16	0	0	0	0	0	0	0	163
0	6	0	14	0	0	0	0	0	0	0	156
0	0	0	14	0	0	0	0	0	0	0	124
0	0	0	13	0	0	0	0	0	0	0	109

Figure IV-6—CAHEA-Accredited Programs by State and Occupation

	Assistant to the Primary Care Physician	Cytotechnologist	Electroencephalographic Technician	Electroencephalographic Technologist	Emergency Medical Technician—Paramedic	Histologic Technician	Medical Assistant	Medical Assistant in Pediatrics	Medical Laboratory Technician (Associate Degree)	Medical Laboratory Technician (Certificate)	Medical Record Administrator	Medical Record Technician
Alabama	0	2	0	1	0	0	1	0	3	0	1	3
Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	1	0	0	1	0	1	1	0	1
Arkansas	0	1	0	0	0	0	0	0	0	2	1	0
California	4	6	0	1	0	2	27	1	0	0	2	6
Canal Zone	0	0	0	0	0	0	0	0	0	0	0	0
Colorado	1	1	0	0	0	0	2	0	1	1	0	1
Connecticut	1	1	0	0	0	0	1	0	1	0	0	0
Delaware	0	0	0	0	0	0	0	0	1	1	0	0
Dist. Columbia	2	0	0	0	0	0	0	0	0	0	0	0
Florida	1	1	0	2	0	1	2	1	4	4	1	1
Georgia	2	2	0	0	0	1	4	0	3	6	2	1
Hawaii	0	0	0	0	0	0	1	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0	0	1
Illinois	0	3	0	0	0	7	4	0	7	5	2	6
Indiana	0	3	0	0	0	0	11	0	2	8	1	1
Iowa	1	2	0	0	0	1	6	0	1	3	0	1
Kansas	1	3	0	0	0	1	0	0	0	1	1	1
Kentucky	1	1	0	0	0	0	5	0	1	1	0	1
Louisiana	0	1	0	1	0	0	0	0	0	0	2	0
Maine	0	0	0	0	0	0	1	0	1	0	0	0
Maryland	2	2	0	0	0	0	2	0	3	0	1	1
Massachussetts	1	2	0	1	0	0	6	0	2	5	1	3
Michigan	2	5	0	0	0	3	4	0	3	0	2	5
Minnesota	0	0	0	0	0	0	5	0	1	8	1	2
Mississippi	0	1	0	0	0	0	1	0	2	0	1	1
Missouri	1	2	0	0	0	1	3	0	2	1	1	0
Montana	0	0	0	0	0	0	0	0	0	1	1	0
Nebraska	1	0	0	0	0	0	2	0	0	0	1	0
Nevada	0	0	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	1	2	0	0
New Jersey	1	2	0	0	0	3	4	0	4	6	0	1
New Mexico	1	0	0	0	0	0	0	0	0	0	0	0
New York	6	7	1	1	0	3	2	0	2	2	2	5
North Carolina	2	3	0	1	0	0	2	0	3	4	2	1
North Dakota	1	1	0	0	0	0	0	0	0	0	0	0
Ohio	3	7	0	0	0	1	5	0	6	7	1	4
Oklahoma	1	1	0	0	0	0	0	0	2	0	2	0
Oregon	0	1	0	0	0	0	3	0	0	1	0	2
Pennsylvania	3	6	0	0	0	3	3	0	4	17	3	2
Puerto-Rico	0	2	0	0	0	0	0	0	0	0	1	1
Rhode Island	0	2	0	0	0	0	0	0	0	0	0	0
South Carolina	1	1	0	0	0	1	1	0	7	0	1	0
South Dakota	0	0	0	0	0	0	0	0	2	2	0	1
Tennessee	1	3	0	0	0	1	0	0	2	5	1	1
Texas	4	9	0	2	0	5	3	0	4	7	3	5
Utah	1	0	0	0	0	0	1	0	1	0	0	0
Vermont	0	1	0	0	0	0	1	0	2	0	0	1
Virginia	0	4	0	0	0	0	0	0	1	10	0	2
Washington	1	2	0	0	0	1	4	0	0	1	1	3
West Virginia	1	2	0	0	0	0	0	0	1	2	0	0
Wisconsin	2	3	0	1	0	3	7	0	2	2	1	3
Wyoming	0	0	0	0	0	0	0	0	0	0	0	0
Total	50	96	1	12	0	38	125	2	83	116	40	68

Medical Technologist	Nuclear Medicine Technologist	Occupational Therapist	Ophthalmic Medical Assistant	Physical Therapist	Radiation Therapy Technologist	Radiographer	Respiratory Therapist	Respiratory Therapy Technician	Specialist in Blood Bank Technology	Surgeon's Assistant	Surgical Technologist (Operating Room Technician)	Total
13	1	1	0	1	0	12	1	1	0	1	0	42
0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	0	2	3	4	6	0	0	1	25
8	2	1	0	1	0	6	1	2	0	0	1	26
55	16	3	0	8	14	45	20	10	6	0	4	230
1	0	0	0	0	0	1	0	0	0	0	0	2
11	3	1	0	1	1	8	2	3	0	0	0	37
9	2	1	0	2	1	18	5	3	0	0	2	47
1	1	0	0	1	0	2	1	0	0	0	0	8
6	0	1	0	1	2	4	1	0	2	0	0	19
18	4	2	0	2	1	31	7	7	1	0	3	93
10	2	1	0	3	2	20	3	3	1	0	2	69
4	0	0	0	0	0	1	0	0	0	0	0	6
5	0	0	0	0	1	2	1	2	0	0	1	13
46	6	1	0	3	7	50	10	11	4	0	7	181
18	4	1	0	1	1	19	4	4	0	0	6	84
13	1	0	0	1	1	16	2	1	0	0	1	51
7	3	1	0	2	1	11	3	1	2	0	2	41
9	2	0	0	1	1	16	2	4	3	0	1	49
19	3	2	0	1	0	13	3	8	5	0	1	59
3	0	0	0	0	0	7	0	1	0	0	0	13
8	2	1	0	1	1	18	2	2	2	0	0	48
21	3	2	0	3	2	16	5	4	1	0	1	79
34	6	3	0	2	3	34	7	6	7	0	0	126
12	4	2	1	3	1	19	4	1	1	0	2	67
5	1	0	0	1	0	7	1	4	0	0	0	25
17	7	2	0	3	4	18	5	2	4	0	1	74
3	0	0	0	0	0	4	0	0	0	0	0	9
8	1	0	0	1	1	8	2	1	0	0	1	27
1	0	0	0	0	1	3	0	0	0	0	0	5
1	0	1	0	0	0	5	0	0	0	0	0	10
24	11	0	0	0	3	35	5	4	0	0	1	104
2	1	0	0	1	0	5	1	1	0	0	0	12
30	9	6	1	9	4	47	11	6	2	1	2	159
13	3	1	0	3	1	30	3	1	2	1	3	79
5	1	1	0	1	0	8	1	1	0	0	0	20
42	9	2	0	2	3	57	7	12	3	0	0	171
13	3	1	0	1	2	8	2	1	0	0	0	37
3	0	0	0	0	1	3	2	2	0	0	1	19
38	8	3	0	3	5	73	7	10	3	0	2	193
2	0	1	0	1	0	0	0	0	0	0	0	8
6	1	0	0	0	1	1	1	1	0	0	0	13
5	2	1	1	1	0	10	3	1	0	0	4	40
6	0	0	0	0	0	6	2	2	0	0	0	21
13	3	0	0	1	4	16	5	3	4	0	1	64
40	2	2	0	4	6	36	11	11	6	0	7	167
5	2	0	0	1	2	4	1	0	2	0	0	20
1	0	0	0	1	1	2	0	0	0	0	0	10
11	2	1	0	1	4	20	3	6	2	0	2	69
11	2	2	0	1	1	6	2	3	0	0	0	41
5	1	0	0	1	1	13	0	0	0	0	0	27
34	4	3	0	3	4	29	2	3	1	0	2	109
1	0	0	0	0	0	2	0	0	0	0	0	3
679	141	51	3	78	91	828	165	155	64	3	62	2,951

Accredited Educational Programs Listed by Sponsoring Institution-1978

These listings of accredited educational programs by sponsoring institution is designed to provide the user with information regarding allied health education in each state. The list contains the names of all institutions which sponsor CAHEA-accredited allied health educational programs and the names of the occupations accredited. The entries are listed alphabetically by state, city, and full name of the institution.

The listing contains programs accredited or discontinued as of the October, 1978 CAHEA meeting. Although most of the information in these lists was obtained from the 1978 Annual Report Questionnaires completed by programs between February and June, 1979, some information was updated as late as July 15, 1979.

ALABAMA

BIRMINGHAM
Baptist Medical Centers
Emmett R. Johnson, President
3201 Fourth Ave., S.
Birmingham, Alabama 35222
(205) 322-8387
MEDICAL TECHNOLOGIST

Carraway Methodist Medical Center
P. E. Cox, Admin.
1615 N. 25th St.
Birmingham, Alabama 35234
(205) 254-6000
RADIOGRAPHER

Jefferson State Junior College
George L. Layton, President
2601 Carson Rd.
Birmingham, Alabama 35215
(205) 853-1200
RADIOGRAPHER
MEDICAL LABORATORY TECHNICIAN (ASSOC DEGREE)

St. Vincent's Hospital
Sister Carlos McDonnell, Admin.
P.O. Box 915
Birmingham, Alabama 35201
(205) 933-5237
MEDICAL TECHNOLOGIST

University of Alabama in Birmingham
S. Richard Hill, Jr., MD, President
University Station
Birmingham, Alabama 35294
(205) 934-3527
CYTOTECHNOLOGIST
RESPIRATORY THERAPIST
MEDICAL ASSISTANT
MEDICAL RECORD ADMINISTRATOR
MEDICAL RECORD TECHNICIAN
MEDICAL TECHNOLOGIST
NUCLEAR MEDICINE TECHNOLOGIST
OCCUPATIONAL THERAPIST
RADIOGRAPHER
MEDICAL LABORATORY TECHNICIAN (ASSOC DEGREE)
ELECTROENCEPHALOGRAPHIC TECHNOLOGIST
RESPIRATORY THERAPY TECHNICIAN
SURGEON'S ASSISTANT

FAIRFIELD
Lloyd Noland Hospital
Calvin C. Otto, Admin.
701 Ridgeway Rd.
Fairfield, Alabama 35064
(205) 785-2121
MEDICAL TECHNOLOGIST

GADSDEN
Gadsden State Junior College
A.D. Naylor, MD, President
George Wallace Dr.
Gadsden, Alabama 35903
(205) 546-0484
RADIOGRAPHER

Holy Name of Jesus Hospital
Sr. James Cecilia, Admin.
600 S. Third St.
Gadsden, Alabama 35902
(205) 547-4911
MEDICAL TECHNOLOGIST

HANCEVILLE
Wallace State Community College
James C. Bailey, President
P.O. Box 250
Hanceville, Alabama 35077
(205) 352-6403
MEDICAL LABORATORY TECHNICIAN (ASSOC DEGREE)
MEDICAL RECORD TECHNICIAN
RADIOGRAPHER

HUNTSVILLE
Huntsville Cooperative School of Medical Technology
Edward E. Litkenhous, Jr., M.D.
101 Sivley Rd.
Huntsville, Alabama 35801
(205) 533-8260
MEDICAL TECHNOLOGIST

Huntsville Hospital
Edward D. Boston, Administrator
101 Sivley Rd.
Huntsville, Alabama 35801
(205) 533-8123
RADIOGRAPHER

MOBILE
Mobile Infirmary
E.C. Bramlett, President
P.O. Box 2144
Mobile, Alabama 36601
(205) 433-3511
MEDICAL TECHNOLOGIST
RADIOGRAPHER

Providence Hospital
Sister Julia Hanser, Administrator
1504 Springhill Ave. PO Box 32
Mobile, Alabama 36601
(205) 438-7611
MEDICAL TECHNOLOGIST

University of South Alabama
Patsy C. Covey, Ph.D., Director
Allied Health
3062 Medical Science Bldg.
Mobile, Alabama 36688
(205) 460-7065
MEDICAL TECHNOLOGIST
RADIOGRAPHER
CYTOTECHNOLOGIST

MONTGOMERY
Montgomery Baptist Hospital
Taylor Morrow, Admin.
2105 E. South Blvd.
Montgomery, Alabama 36111
(205) 288-2100
MEDICAL TECHNOLOGIST

St. Margaret's Hospital
Sister Susan Radzke, Admin.
834 Adams Ave.
Montgomery, Alabama 36101
(205) 265-5661
MEDICAL TECHNOLOGIST
RADIOGRAPHER

TUSCALOOSA
Druid City Hospital
J. H. Ford, Jr., Admin.
809 University Blvd., E.
Tuscaloosa, Alabama 35401
(205) 759-7176
MEDICAL TECHNOLOGIST
RADIOGRAPHER

TUSKEGEE
Tuskegee Institute
Theodore F. Childs, EdD, RPT, Dean
College of Arts and Sciences
Tuskegee, Alabama 36088
(205) 727-8564
PHYSICAL THERAPIST

Veterans Administration Medical Center
David A. Tull, Md, Director
Tuskegee, Alabama 36083
(205) 727-0550
RADIOGRAPHER

ARIZONA

FLAGSTAFF
Northern Arizona University
Dr. Walter P. Applegren, Director
Center for Health Sciences
Box 15045
Flagstaff, Arizona 86001
(602) 523-2511
RADIOGRAPHER

PHOENIX
Arizona College of Medical, Dental and Legal Careers
Mickey Wayne, Admin.
4020 N. 19th Ave.
Phoenix, Arizona
(602) 277-1451
RESPIRATORY THERAPY TECHNICIAN

Biosystems Institute
Jerrold L. Glick, President
2526 E. University Dr.
Phoenix, Arizona 85034
(602) 275-4163
RESPIRATORY THERAPY TECHNICIAN
RESPIRATORY THERAPIST

Good Samaritan Hospital-Samaritan Health Service
George H. Mertz, MD, Director
P.O. Box 2989
Phoenix, Arizona 85062
(602) 252-6611
RADIATION THERAPY TECHNOLOGIST
MEDICAL TECHNOLOGIST

Maricopa County General Hospital
William A. Markey, Director
2601 E. Roosevelt St.
Phoenix, Arizona 85008
(602) 267-5011
MEDICAL TECHNOLOGIST

Maricopa Technical Community College
Norbert I. Brummer, President
106 E. Washington
Phoenix, Arizona 85004
(602) 258-7251
RADIOGRAPHER
RESPIRATORY THERAPY TECHNICIAN
RESPIRATORY THERAPIST

Phoenix College
William E. Berry, MD, President
1202 W. Thomas Rd.
Phoenix, Arizona 85013
(602) 264-2492
MEDICAL LABORATORY TECHNICIAN
(CERT PROGRAM)
MEDICAL RECORD TECHNICIAN
MEDICAL LABORATORY TECHNICIAN
(ASSOC DEGREE)

St. Joseph's Hospital & Medical Center
T. Abner Huff, President
350 W. Thomas Rd.
Phoenix, Arizona 85001
(602) 277-6611,
ELECTROENCEPHALOGRAPHIC
TECHNOLOGIST

The Bryman School
James W. Cox, Director
1112 E. McDowell Rd.
Phoenix, Arizona 85006
(602) 258-5901
MEDICAL ASSISTANT

SCOTTSDALE

Scottsdale Educational Center, Inc.
Douglas O. Naegele, II, Pres.
7300 E. Fourth St., Ste 208
Scottsdale, Arizona 85251
(602) 994-0331
RESPIRATORY THERAPY TECHNICIAN

TUCSON

Arizona College of Medical and Dental Careers
Mickey Wayne, Admin.
2354 E. Broadway
Tucson, Arizona 85719
(602) 623-5736
RESPIRATORY THERAPY TECHNICIAN

Pima Community College
Donald F. Klassen, (Acting President)
2202 W. Anklam Rd.
Tucson, Arizona 85709
(602) 884-6047
RADIOGRAPHER
RESPIRATORY THERAPIST

University of Arizona
J.P. Schaefer, President
Health Sciences Center
Tucson, Arizona 85724
(602) 626-2211
NUCLEAR MEDICINE TECHNOLOGIST
MEDICAL TECHNOLOGIST
RADIATION THERAPY TECHNOLOGIST

ARKANSAS

CONWAY

University of Central Arkansas
Thomas J. Burgess, MA, Coordinator
School of Health Sciences
Suite 100, Room 101
Conway, Arkansas 72032
(501) 329-2931
OCCUPATIONAL THERAPIST
PHYSICAL THERAPIST

FAYETTEVILLE

Antaeus Lineal Research Associates
M. B. Nettleship, M.D., Director
Medical Technology School
2470 Old Johnson Rd.
Fayetteville, Arkansas 72701
(501) 443-3050
MEDICAL TECHNOLOGIST

FORT SMITH

Sparks Regional Medical Center
Charles Shuffield, Admin.
1311 S. Eye St.
Fort Smith, Arkansas 72901
(501) 441-4000
RESPIRATORY THERAPY TECHNICIAN
MEDICAL TECHNOLOGIST
RADIOGRAPHER

St. Edward Mercy Medical Center
Sr. Judith Marie Keith, RSM, Admin.
7301 Rogers Ave.
Fort Smith, Arkansas 72903
(501) 782-3071
MEDICAL TECHNOLOGIST
RADIOGRAPHER

LITTLE ROCK

Baptist Medical Center
Russell D. Harrington, Jr., Admin.
9601 Interstate 630
Little Rock, Arkansas 72201
(501) 227-2274
HISTOLOGIC TECHNICIAN
MEDICAL TECHNOLOGIST
RADIOGRAPHER

Little Rock V.A. Medical Center
Vincent J.Parrish, Director
300 E. Roosevelt Rd.
Little Rock, Arkansas 72206
(501) 372-8361
RESPIRATORY THERAPY TECHNICIAN

St. Vincent Infirmary
A. Jack Reynolds, Admin.
Markham & University Ave.
Little Rock, Arkansas 72201
(501) 661-3000
MEDICAL TECHNOLOGIST
NUCLEAR MEDICINE TECHNOLOGIST
RADIOGRAPHER
MEDICAL LABORATORY TECHNICIAN
(CERT PROGRAM)

University of Arkansas Medical Sciences
James L. Dennis, MD, Chancellor
College of Health Related Professions
4301 W. Markham
Little Rock, Arkansas 72204
(501) 661-5000
MEDICAL TECHNOLOGIST
SURGICAL TECHNOLOGIST
RADIOGRAPHER
RESPIRATORY THERAPIST

PINE BLUFF

Jefferson Hospital
C.C. Mc Callister, Administrator
1515 W. 42nd Ave.
Pine Bluff, Arkansas 71601
RADIOGRAPHER

RUSSELLVILLE

Arkansas Technical University
Kenneth Kersh, President
School of Arts and Sciences
Russellville, Arkansas 72801
(501) 968-0237
MEDICAL RECORD ADMINISTRATOR

STATE UNIVERSITY

Arkansas State University
C.S. Whillock, President
P.O. Drawer MM
State University, Arkansas 72467
(501) 972-3030
MEDICAL TECHNOLOGIST

TEXARKANA

St. Michael's Hospital
Sr. Mary Carmelita Brett, President
315 E. 5th St.
Texarkana, Arkansas 75502
(501) 774-2121
MEDICAL TECHNOLOGIST

CALIFORNIA

ALAMEDA

College of Alameda
Jeanette Poore, President
555 Atlantic Ave.
Alameda, California 94501
(415) 522-7221
MEDICAL ASSISTANT

ALTA LOMA

Chaffey Community College
James L. Catanzaro, Supt. President
5885 Haven Ave.
Alta Loma, California 91701
(714) 987-1737
RADIOGRAPHER

ANAHEIM

Southern California College of Medical & Dental Careers
Marvin Barab, Exec. Dir.
1717 S. Brookhurst
Anaheim, California 92804
(714) 635-3450
MEDICAL ASSISTANT

APTOS

Cabrillo College
John C. Petersen, Supt President
6500 Soquel Dr.
Aptos, California 95003
(408) 425-6302
RADIOGRAPHER

BAKERSFIELD
Bakersfield Adult School
Wallace B. Webster, Principal
California & F Sts.
Bakersfield, California 93301
(805) 327-2017
SURGICAL TECHNOLOGIST

Bakersfield Community College
John C. Collins, President
1801 Panorama Dr.
Bakersfield, California 93305
(805) 395-4211
RADIOGRAPHER

California State College
Jacob P. Frankel, President
Department of Health Sciences
9001 Stockdale Hwy.
Bakersfield, California 93309
(805) 833-2241
MEDICAL TECHNOLOGIST

Mercy Hospital
Sr. M. Placida, Admin.
2215 Truxtun Ave.
Bakersfield, California 93301
(805) 327-3371
MEDICAL TECHNOLOGIST

BERKELEY
Institute of Medical Studies
Doris P. Olney, Administrator
2114 Berkeley Way
Berkeley, California 94704
(415) 549-1910
RESPIRATORY THERAPY TECHNICIAN

BURBANK
St. Joseph Medical Center
James D. Collom, PhD, (Acting Admin)
Buena Vista & Alameda Sts.
Burbank, California 91505
(213) 843-5111
MEDICAL TECHNOLOGIST
RADIOGRAPHER
RADIATION THERAPY TECHNOLOGIST

BURLINGAME
Peninsula Hospital & Medical Center
C. H. Mason, Jr., Admin.
1783 El Camino Real
Burlingame, California 94010
(415) 697-4061
MEDICAL TECHNOLOGIST
RADIOGRAPHER

CITY OF INDUSTRY
Hacienda La Puente Unified School District
Don Roth, Director
15381 E. Proctor Ave.
City of Industry, California 91749
(213) 333-7416
RESPIRATORY THERAPY TECHNICIAN

CONCORD
Pruett College of Career Education
Richard P. Goodson, Admin.
1924 Brant St.
Concord, California 94520
(415) 687-8220
RESPIRATORY THERAPY TECHNICIAN

COSTA MESA
Orange Coast College
Robert B. Moore, PhD,
2701 Fairview Rd.
Costa Mesa, California 92626
(714) 556-5702
MEDICAL ASSISTANT
RESPIRATORY THERAPIST
ELECTROENCEPHALOGRAPHIC TECHNOLOGIST
RADIOGRAPHER

CUPERTINO
De Anza College
Robert W. Walker, D.D.S., Asst. Dir.
Technical Education
21250 Stevens Creek Blvd.
Cupertino, California 95014
(408) 257-5550
MEDICAL ASSISTANT

CYPRESS
Cypress College
Jack Scott, President
9200 Valley View St.
Cypress, California 90630
(714) 826-2220
RADIOGRAPHER
MEDICAL RECORD TECHNICIAN
MEDICAL ASSISTANT

DAVIS
University of California, Davis
C.J. Tupper, M.D., Dean
School of Medicine
Davis, California 95616
(916) 752-0340
ASSISTANT TO THE PRIMARY CARE PHYSICIAN

DOWNEY
University of Southern California
L.V. Wendland, Ph.D., Director
Division of Health Related Professions
12933 Erickson Ave.
Downey, California 90242
(213) 862-5128
OCCUPATIONAL THERAPIST

DUARTE
City of Hope Medical Center
Robert M. Sloane, Admin.
1500 E. Duarte Rd.
Duarte, California 91010
(213) 359-8111
MEDICAL TECHNOLOGIST
RADIOGRAPHER
RADIATION THERAPY TECHNOLOGIST

EL CAJON
El Cajon Valley Hospital
Kirk H. Gray, Administrator
1688 E. Main St.
El Cajon, California 92021
(714) 440-1122
MEDICAL TECHNOLOGIST

Grossmont Community College
E.F. Metzgar, President
8800 Grossmont College Dr.
El Cajon, California 92020
(714) 465-1700
RESPIRATORY THERAPIST

ENCINO
Lawton School
David Barer, Director
Medical Assistant Division
16542 Ventura Blvd.
Encino, California 91436
(213) 783-8292
MEDICAL ASSISTANT

EUREKA
General Hospital
James E. Ferguson, Executive Director
2200 Harrison Ave.
Eureka, California 95501
(707) 443-2251
RADIOGRAPHER

FREMONT
Ohlone College
W.B. Richter, Supt President
43600 Mission Blvd.
Fremont, California 94537
(415) 657-2100
MEDICAL ASSISTANT

FRESNO
California State University at Fresno
Norman A. Baxter, President
Cedar & Shaw Ave.
Fresno, California 93740
(209) 487-1204
PHYSICAL THERAPIST

Fresno City College
Clyde C. McCully
1101 E. University Ave.
Fresno, California 93741
(209) 442-4600
RADIOGRAPHER
RESPIRATORY THERAPIST

Fresno Community Hospital
James D. Helzer, Exec. Admin.
Fresno & R Sts.
Fresno, California 93721
(209) 442-6000
MEDICAL TECHNOLOGIST

FULLERTON
St. Jude Hospital & Rehabilitation Center
R.W. Harper, Exec. Vice Pres.
101 E. Valencia Mesa Dr.
Fullerton, California 92635
(714) 871-3280
MEDICAL TECHNOLOGIST

HAWTHORNE
Hawthorne Community Hospital
W. J. Daniels, Exec. Vice Pres.
11711 Grevillea Ave.
Hawthorne, California 90250
(213) 973-1711
RADIOGRAPHER

HAYWARD
Chabot College
Reed L. Buffington, Supt President
25555 Hesperian Blvd.
Hayward, California 94545
MEDICAL RECORD TECHNICIAN

INGLEWOOD
Centinela Hospital Medical Center
Russell S. Stromberg, Exec. Vice Pres.
555 E. Hardy St.
Inglewood, California 90301
(213) 673-4660
MEDICAL TECHNOLOGIST

Daniel Freeman Memorial Hospital
Que S. Hansen, Admin.
333 N. Prairie Ave.
Inglewood, California 90301
(213) 674-7050
MEDICAL TECHNOLOGIST
RADIOGRAPHER

LA JOLLA
Scripps Memorial Hospital
Lauren W. Blagg, Administration
9888 Genesee Ave.
La Jolla, California 92037
(714) 453-3400
HISTOLOGIC TECHNICIAN
MEDICAL TECHNOLOGIST

LAMESA
Grossmont District Hospital
Ronald Dahlgren, Admin.
5565 Grossmont Ctr. Dr.
La Mesa, California 92041
(714) 465-0711
MEDICAL TECHNOLOGIST

LANCASTER
Antelope Valley College
C.W. Stine, Ed.D, President Supt.
3041 W. Avenue K
Lancaster, California 93534
(805) 943-3241
RADIOGRAPHER

LOMA LINDA
Loma Linda University
Ivor C. Woodward, Ph.D., Dean
Allied Health Professions
Loma Linda, California 92350
(714) 796-7311
OCCUPATIONAL THERAPIST
RADIOGRAPHER
NUCLEAR MEDICINE TECHNOLOGIST
MEDICAL TECHNOLOGIST
PHYSICAL THERAPIST
RESPIRATORY THERAPIST
MEDICAL RECORD ADMINISTRATOR
RADIATION THERAPY TECHNOLOGIST

LONG BEACH
Long Beach City College
Frank C. Pearce, Supt/President
4901 E. Carson St.
Long Beach, California 90808
(213) 420-4111
RESPIRATORY THERAPIST
MEDICAL ASSISTANT
RADIOGRAPHER

Long Beach College of Medical & Dental Assistants
Earle Schulman, Vice President
5350 Atlantic Ave.
Long Beach, California 90805
MEDICAL ASSISTANT

Memorial Hospital Medical Center of Long Beach
Donald C. Carner, President
2801 Atlantic Ave.
Long Beach, California 90801
(213) 595-2106
MEDICAL TECHNOLOGIST
SPECIALIST IN BLOOD BANK TECHNOLOGY

St. Mary Medical Center-Bauer Hospital
Sr. M. Lucille Desmond, President
1050 Linden Ave.
Long Beach, California 90801
(213) 435-4441
MEDICAL TECHNOLOGIST
SPECIALIST IN BLOOD BANK TECHNOLOGY

The Bryman School
Janet Hutchins, Director
3633 Long Beach Blvd.
Long Beach, California 90807
MEDICAL ASSISTANT

Veterans Administration Hospital
E.J. Kleg, Director
5901 E. 7th St.
Long Beach, California 90822
(213) 498-1313
MEDICAL TECHNOLOGIST

LOS ALTOS HILLS
Foothill Community College
James S. Fitzgerald, President
12345 El Monte Rd.
Los Altos Hills, California 94022
(415) 948-8590
RADIOGRAPHER
RESPIRATORY THERAPIST
RADIATION THERAPY TECHNOLOGIST

LOS ANGELES
Cedars-Sinai Medical Center
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RESPIRATORY THERAPIST
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RESPIRATORY THERAPY TECHNICIAN

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Dettmer General Hospital
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(CERT PROGRAM)

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Trumbull Memorial Hospital
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RADIOGRAPHER

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St. Elizabeth Hospital
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RADIOGRAPHER
MEDICAL TECHNOLOGIST
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CYTOTECHNOLOGIST

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ZANESVILLE
Muskingum Area Joint Vocational School for Adult Education
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John B. McMillen, President
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LAWTON
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GREENSBURG
Westmoreland Hospital Association
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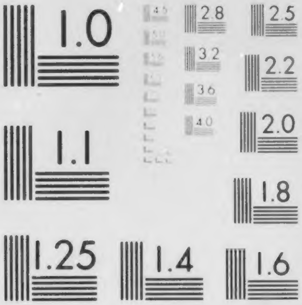
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Winchester, Virginia 22601
(703) 662-4121
RADIOGRAPHER
RESPIRATORY THERAPY TECHNICIAN

WYTHEVILLE
Wytheville Community College
Laurence V. Lauth, President
1000 E. Main St.
Wytheville, Virginia 24382
(703) 228-5541
MEDICAL LABORATORY TECHNICIAN
(CERT PROGRAM)
MEDICAL LABORATORY TECHNICIAN
(ASSOC DEGREE)

WASHINGTON

BELLEVUE
Bellevue Community College
Thomas E. O'Connell, President
3000 Landerholm Circle, NE
Bellevue, Washington 98007
(206) 641-2301
RADIOGRAPHER

KENT
Highline Community College
Shirley Gordon, President
Kent, Washington 98031
(206) 878-3710
RESPIRATORY THERAPIST

LONGVIEW
St. John's Hospital
Sr. Eleanor Gilmore, Admin.
1614 E. Kessler Blvd.
Longview, Washington 98632
(206) 423-1530
MEDICAL TECHNOLOGIST

LYNNWOOD
Edmonds Community College
James R. Warren, President
20000 68th Ave., W.
Lynnwood, Washington 98036
(206) 775-4444
MEDICAL ASSISTANT

MOUNT VERNON
Skagit Valley College
J.F. Pedersen, EdD, Assoc Dean
Occupational Education
2405 College Way
Mt. Vernon, Washington 98273
(206) 424-1031
RESPIRATORY THERAPY TECHNICIAN

OLYMPIA
Olympia Technical Community College
20000 68th Ave. West
Olympia, Washington 980
MEDICAL ASSISTANT

SEATTLE
Children's Orthopedic Hospital & Medical Center
Jack M. Docter, M.D., Chief of Staff
4800 Sand Point Way, N.E.
Seattle, Washington 98105
(206) 634-5373
MEDICAL TECHNOLOGIST

North Seattle Community College
Cecil Baxter, President
Seattle, Washington 98103
(206) 634-4444
MEDICAL ASSISTANT

Providence Medical Center
Richard J. Borsini, Admin.
500 17th Ave.
Seattle, Washington 98124
(206) 326-5555
MEDICAL TECHNOLOGIST

Seattle Central Community College
Robert Terry, President
1702 Harvard
Seattle, Washington 98122
(206) 587-4144
RESPIRATORY THERAPY TECHNICIAN

Seattle University
Dr. Gary A. Zimmerman, Dean
School of Science & Engineering
12th & East Columbia St.
Seattle, Washington 98122
(206) 626-6250
MEDICAL RECORD ADMINISTRATOR

Shoreline Community College
Richrad S. White, President
16101 Greenwood Ave., N.
Seattle, Washington 98133
(206) 546-4551
MEDICAL RECORD TECHNICIAN

The Swedish Hospital Medical Center
Allan W. Lobb, MD, Admin.
747 Summit Ave.
Seattle, Washington 98104
(206) 292-2121
NUCLEAR MEDICINE TECHNOLOGIST
RADIATION THERAPY TECHNOLOGIST
MEDICAL TECHNOLOGIST

University of Washington
Robert W. Day, MD, Dean
MEDEX Northwest Program
1107 NE 45th, RM 340
Seattle, Washington 98105
(206) 543-1144
ASSISTANT TO THE PRIMARY CARE
PHYSICIAN

University of Washington Health Sciences Center
J.Thomas Grayston, Vice President
Health Sciences
Seattle, Washington 98195
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MEDICAL TECHNOLOGIST
OCCUPATIONAL THERAPIST
PHYSICAL THERAPIST

University of Washington-Harborview Medical Center
Robert I. Jetland, Admin.
325 Ninth Ave.
Seattle, Washington 98104
(206) 223-3036
CYTOTECHNOLOGIST

SPOKANE
Deaconess Hospital
Harry C. Wheeler, Admin.
W. 800 Fifth Ave.
Spokane, Washington 99210
(509) 624-0171
MEDICAL TECHNOLOGIST

Holy Family Hospital
Howard W. Salmon, Administrator
N. 5633 Lidgerwood Ave.
Spokane, Washington 99207
(509) 482-2327
NUCLEAR MEDICINE TECHNOLOGIST
RADIOGRAPHER

Kinman Business University
Philip D. Nelson, Director
N. 214 Wall St. Bon Marche Bld
Spokane, Washington 92201
(509) 838-3521
MEDICAL ASSISTANT

Sacred Heart Medical Center
Sr. P. Claver, Admin.
101 W. Eighth Ave.
Spokane, Washington 99204
(509) 455-3131
HISTOLOGIC TECHNICIAN
MEDICAL TECHNOLOGIST

Spokane Community College
Marjy A. Borchers, Supervisor
Health Science Division
N. 1810 Greene St.
Spokane, Washington 99207
(509) 455-7696
MEDICAL RECORD TECHNICIAN
RESPIRATORY THERAPIST

St. Luke's Memorial Hospital
John W. Colby, Admin.
S. 711 Cowley St.
Spokane, Washington 99210
(509) 838-4771
MEDICAL TECHNOLOGIST

TACOMA
Clover Park School District #400 Education Center
Wilbur M. Snyder Jr, Administrator
Vocational Education
4500 Steilacoom Blvd. SW
Tacoma, Washington 98499
(206) 584-7611
MEDICAL LABORATORY TECHNICIAN
(CERT PROGRAM)

St. Joseph Hospital
Daniel F. Russell, Admin.
1812 S. I St.
Tacoma, Washington 98405
(206) 627-4101
MEDICAL TECHNOLOGIST

Tacoma Community College
Dr. Larry Stevens, President
5900 S. 12th St.
Tacoma, Washington 98465
(206) 756-5100
RESPIRATORY THERAPY TECHNICIAN
RADIOGRAPHER
MEDICAL RECORD TECHNICIAN

Tacoma General Hospital
E. K. Prentice, President
315 South K St.
Tacoma, Washington 98405
(206) 597-7700
MEDICAL TECHNOLOGIST

University of Puget Sound
Steve J. Morelan, PhD, ORT, Director
1500 N. Warner
Tacoma, Washington 98416
(206) 756-3283
OCCUPATIONAL THERAPIST

WENATCHEE
Wenatchee Valley College
James R. Davis, President
1300 Fifth St.
Wenatchee, Washington 98801
(509) 662-1651
RADIOGRAPHER

YAKIMA
Central Washington University Center for M.T.
Donald L. Garrity, President
1114 W. Spruce - Suite 34
Yakima, Washington 98902
(509) 963-2111
MEDICAL TECHNOLOGIST

Yakima Valley College
Dr. William B. Russell, President
16th Ave. & Nob Hill Blvd.
Yakima, Washington 98902
(509) 575-2350
RADIOGRAPHER

WEST VIRGINIA

BECKLEY
Beckley Appalachian Regional Hospital
Karl Weinmeister, Administrator
306 Stanaford Rd.
Beckley, West Virginia 25801
(304) 255-3456
MEDICAL TECHNOLOGIST

Veterans Administration Medical Center
D.L. McGee, Director
200 Veterans Ave.
Beckley, West Virginia 25801
(304) 255-2121
MEDICAL LABORATORY TECHNICIAN
(CERT PROGRAM)

BLUEFIELD
Bluefield Sanitarium
James L. Foster, Admin.
525 Bland Street
Bluefield, West Virginia 24701
(304) 327-3471
MEDICAL LABORATORY TECHNICIAN
(CERT PROGRAM)

CHARLESTON
Charleston Area Medical Center, Inc.
Don L. Arnwine, President
Brooks & Elmwood Streets
Charleston, West Virginia 25326
(304) 348-7627
CYTOTECHNOLOGIST

St. Francis Hospital
William E. Shirey, President
519 Donnally St., P.O. Box 471
Charleston, West Virginia 25322
(304) 348-8500
RADIOGRAPHER

University of Charleston, Sch of Hlth Sciences
Dr. Thomas Uoss, President
2300 MacCorkle Ave., S.E.
Charleston, West Virginia 25304
(304) 346-9471
RADIOGRAPHER

CLARKSBURG
United Hospital Center
D. Max Francis, President
#3 Hospital Plaza, Rt I9 S.
Clarksburg, West Virginia 26301
(304) 624-2332
RADIOGRAPHER

ELKINS
Memorial General Hospital
Robert Eakin, Administrator
1200 Harrison Ave.
Elkins, West Virginia 26241
(304) 636-2900
RADIOGRAPHER

FAIRMONT
Fairmont General Hospital
O. B. Ayers, Jr., Admin.
1325 Locust Ave.
Fairmont, West Virginia 26554
(304) 363-2400
RADIOGRAPHER

HUNTINGTON
Cabell Huntington Hospital
Kenneth W. Wood, Exec Director
1340 Sixteenth St.
Huntington, West Virginia 25701
(304) 696-6590
CYTOTECHNOLOGIST
MEDICAL TECHNOLOGIST

St. Mary's Hospital
Steve J. Soltis, Exec. Dir.
2900 First Ave.
Huntington, West Virginia 25701
(304) 696-2550
RADIOGRAPHER

MONTGOMERY
West Virginia Institute of Technology
Leonard C. Nelson, PhD, President
Montgomery, West Virginia 25136
MEDICAL RECORD TECHNICIAN

MORGANTOWN
West Virginia University
John E. Jones, M.D., Dean
School of Medicine
1151 Basic Science Bldg., WVU
Morgantown, West Virginia 26506
(304) 293-4511
MEDICAL TECHNOLOGIST
PHYSICAL THERAPIST

West Virginia University Hospital
Eugene L. Staples, Administrator
1244 University Hospital
Morgantown, West Virginia 26506
(304) 293-4632
NUCLEAR MEDICINE TECHNOLOGIST
RADIOGRAPHER
RADIATION THERAPY TECHNOLOGIST

PARKERSBURG
Camden Clark Memorial Hospital
Leo D. Carsner, Admin.
800 Garfield Avenue
Parkersburg, West Virginia 26101
(304) 424-2111
RADIOGRAPHER

Parkersburg Community College
Byron N. McClenney, President
Route 5 Box 167A
Parkersburg, West Virginia 26101
(304) 424-8200
MEDICAL LABORATORY TECHNICIAN
(ASSOC DEGREE)
RADIOGRAPHER

PHILIPPI
Alderson Broaddus College
Richard E. Shearer, President
College Hill
Philippi, West Virginia 26416
(304) 457-1700
ASSISTANT TO THE PRIMARY CARE
PHYSICIAN

Myers Clinic-Broadus Hospital
Richard D. Springer, Admin.
Broaddus College Hill
Philippi, West Virginia 26416
(304) 457-1760
MEDICAL TECHNOLOGIST

SOUTH WILLIAMSON
Williamson Appalachian Regional Hospital
2000 Central Ave.
South Williamson, Kentucky 25661
RADIOGRAPHER

WEST LIBERTY
West Liberty State College
James Chapman, PhD, President
West Liberty, West Virginia 26074
(304) 336-8108
MEDICAL TECHNOLOGIST

WESTON
Stonewall Jackson Memorial Hospital
David D. Shaffer, Administrator
Route 4, Box 10
Weston, West Virginia 26452
(304) 269-3000
RADIOGRAPHER

WHEELING
Ohio Valley Medical Center, Inc.
Fred E. Blair, Exec. Dir.
2000 Eoff St.
Wheeling, West Virginia 26003
(304) 234-0123
RADIOGRAPHER

Wheeling Hospital, Inc.
S.G. Nazzaro, Administrator
Medical Park
Wheeling, West Virginia 26003
(304) 243-3000
RADIOGRAPHER

WISCONSIN

APPLETON
St. Elizabeth Hospital
E.Scott Henley, President
1506 S. Oneida St.
Appleton, Wisconsin 54911
(414) 731-5261
MEDICAL TECHNOLOGIST

BEAVER DAM
Beaver Dam Community Hospital, Inc.
John R. Landdeck, Exec. Dir.
707 S. University Ave.
Beaver Dam, Wisconsin 53916
(414) 887-7181
MEDICAL TECHNOLOGIST

BELOIT
Beloit Memorial Hospital
Virgil J. Waelti, Admin.
1969 W. Hart Rd.
Beloit, Wisconsin 53511
(608) 364-5011
RADIOGRAPHER

CLEVELAND
Lakeshore Technical Institute
Frederick Nierode, Dist. Director
1290 North Ave.
Cleveland, Wisconsin 53015
(414) 693-8211
MEDICAL ASSISTANT

CUDAHY
Trinity Memorial Hospital
Paul B. Steffes, Admin.
5900 S. Lake Dr.
Cudahy, Wisconsin 53110
(414) 769-9000
RESPIRATORY THERAPY TECHNICIAN
MEDICAL TECHNOLOGIST

EAU CLAIRE
District One Technical Institute
Norbert K. Wurtzel, District Director
620 West Clairemont Ave.
Eau Claire, Wisconsin 54701
(715) 836-3911
MEDICAL LABORATORY TECHNICIAN
(ASSOC DEGREE)
RADIOGRAPHER
MEDICAL RECORD TECHNICIAN

Luther Hospital
Joseph W. Gross, Chief Exec. Officer
310 Chestnut St.
Eau Claire, Wisconsin 54701
(715) 832-6611
MEDICAL TECHNOLOGIST
RADIOGRAPHER

Sacred Heart Hospital
Matthew W. Hubler, Admin.
900 W. Clairemont Ave.
Eau Claire, Wisconsin 54701
(715) 839-4131
MEDICAL TECHNOLOGIST

FOND DU LAC
Moraine Park Technical Institute
Robert P. Sorensen, PhD, Dist. Dir.
235 N. National Avenue
Fond Du Lac, Wisconsin 54935
(414) 922-8611
MEDICAL RECORD TECHNICIAN

St. Agnes Hospital
Sr. Joan Wirz, President
430 E. Division St.
Fond Du Lac, Wisconsin 54935
(414) 921-2300
MEDICAL TECHNOLOGIST
RADIOGRAPHER

GREEN BAY
Bellin Memorial Hospital
Daniel R. Smith, Admin.
PO Box 1700-744 S. Webster Ave
Green Bay, Wisconsin 54305
(414) 468-3500
RADIOGRAPHER

Northeast Wisconsin Technical Institute
Donald Bressler, Admin.
2740 West Mason St.
Greenbay, Wisconsin 54303
(414) 499-3125
MEDICAL ASSISTANT
RESPIRATORY THERAPY TECHNICIAN

St. Vincent Hospital
Theodore R. Jamison, Admin.
835 S. Van Buren St.
Green Bay, Wisconsin 54301
(414) 433-8155
MEDICAL TECHNOLOGIST

KENOSHA
Kenosha Memorial Hospital
Fevzi Pamukcu, MD, Director
Medical Affairs
6308 Eighth Ave.
Kenosha, Wisconsin 53140
(414) 656-2218
MEDICAL TECHNOLOGIST
RADIOGRAPHER

St. Catherine's Hospital
Sr. Mary Dolorosa, President
3556 Seventh Ave.
Kenosha, Wisconsin 53140
(414) 658-3311
RADIOGRAPHER
MEDICAL TECHNOLOGIST

LA CROSSE
St. Francis Hospital
Stewart W. Laird, Admin.
709 S. Tenth St.
La Crosse, Wisconsin 54601
(608) 785-0940
MEDICAL TECHNOLOGIST

University of Wisconsin-LaCrosse
Kenneth E. Linder, PhD, Chancellor
1725 State St.
LaCrosse, Wisconsin 5460l
(608) 785-8004
PHYSICAL THERAPIST

Viterbo College
Rev. J. Thomas Finucan, President
815 South 9th St.
La Crosse, Wisconsin 54601
(608) 784-0040
MEDICAL RECORD ADMINISTRATOR

Western Wisconsin Technical Institute
Charles G. Richardson, Dist. Dir.
Sixth & Vine Sts.
La Crosse, Wisconsin 54601
(608) 785-9101
SURGICAL TECHNOLOGIST
ELECTROENCEPHALOGRAPHIC
TECHNOLOGIST
MEDICAL RECORD TECHNICIAN
MEDICAL LABORATORY TECHNICIAN
(ASSOC DEGREE)
RADIOGRAPHER
MEDICAL ASSISTANT

MADISON
Madison Area Technical College
Norman P. Mitby, Dist. Director
211 N. Carroll St.
Madison, Wisconsin 53703
(608) 266-5050
RESPIRATORY THERAPIST

Madison General Hospital
Gordon N. Johnsen, President
202 S. Park St.
Madison, Wisconsin 53715
(608) 267-6210
RADIOGRAPHER
HISTOLOGIC TECHNICIAN
MEDICAL TECHNOLOGIST

St. Marys Hospital Medical Center
Sr. Rebecca, Chief Exec. Officer
707 South Mills St.
Madison, Wisconsin 53715
(608) 251-6100
NUCLEAR MEDICINE TECHNOLOGIST
RADIOGRAPHER
MEDICAL TECHNOLOGIST

The University of Wisconsin-Madison
John L. Peterson, Ph.D., Dean
School of Allied Health Professions
220 WARF, 610 North Walnut St.
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RADIATION THERAPY TECHNOLOGIST
ASSISTANT TO THE PRIMARY CARE
PHYSICIAN
OCCUPATIONAL THERAPIST
PHYSICAL THERAPIST
CYTOTECHNOLOGIST
MEDICAL TECHNOLOGIST
RADIOGRAPHER

MARSHFIELD
Marshfield Medical Center Laboratory
Frederick J. Wenzel, Exec. Dir.
1000 N. Oak
Marshfield, Wisconsin 54449
(715) 387-5123
CYTOTECHNOLOGIST

Marshfield Medical Foundation
Richard D. Sautter, MD, Exec. Dir.
510 N. St. Joseph Ave.
Marshfield, Wisconsin 54449
(715) 387-5107
RADIATION THERAPY TECHNOLOGIST

St. Joseph's Hospital
David R. Jaye, Jr., Pres.
611 St. Joseph's Avenue
Marshfield, Wisconsin 54449
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HISTOLOGIC TECHNICIAN
RADIOGRAPHER
MEDICAL TECHNOLOGIST

MILWAUKEE
Alverno College
S. Joel Read, President
3401 S. 39th St.
Milwaukee, Wisconsin 53215
(414) 671-5400
NUCLEAR MEDICINE TECHNOLOGIST

Columbia Hospital
Paul W. Kempe, Admin
2025 East Newport Ave
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(414) 961-3300
MEDICAL TECHNOLOGIST
RADIOGRAPHER

Deaconess Hospital
Kenneth S. Jamron, PhD, President
620 N. 19th St.
Milwaukee, Wisconsin 53233
(414) 933-9600
RADIOGRAPHER
MEDICAL TECHNOLOGIST

Family Hospital
Walter G. Harden, Exec. Dir.
2711 W. Wells St.
Milwaukee, Wisconsin 53208
(414) 344-9400
RADIOGRAPHER
MEDICAL TECHNOLOGIST

Lutheran Hospital of Milwaukee, Inc.
Dean K. Roe, President
2200 W. Kilbourn Ave.
Milwaukee, Wisconsin 53233
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MEDICAL TECHNOLOGIST
RADIOGRAPHER

Marquette University
Rev. John P. Raynor, SJ, President
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Milwaukee, Wisconsin 53233
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PHYSICAL THERAPIST

Medical College of Wisconsin
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RADIATION THERAPY TECHNOLOGIST

Milwaukee Area Technical College
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Milwaukee, Wisconsin 53203
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MEDICAL ASSISTANT
RADIOGRAPHER
RESPIRATORY THERAPY TECHNICIAN
RESPIRATORY THERAPIST

Milwaukee Blood Center, Inc.
Richard H. Aster, M.D., Director
1701 W. Wisconsin Ave.
Milwaukee, Wisconsin 53233
(414) 933-5000
SPECIALIST IN BLOOD BANK TECHNOLOGY

Milwaukee Children's Hospital
John F. Edmondson, Admin.
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Milwaukee, Wisconsin 53233
(414) 344-7100
MEDICAL TECHNOLOGIST

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(414) 257-5935
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NUCLEAR MEDICINE TECHNOLOGIST
RADIOGRAPHER
MEDICAL TECHNOLOGIST
CYTOTECHNOLOGIST

Mount Mary College
Sister Mary N. Barber, Ph.D., Pres.
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Milwaukee, Wisconsin 53222
(414) 258-4810
OCCUPATIONAL THERAPIST

Mount Sinai Medical Center
Arthur S. Shorr, Administrator
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Milwaukee, Wisconsin 53233
(414) 289-8001
MEDICAL TECHNOLOGIST

St. Joseph's Hospital
Sr. M. Jeanne Gengler, Pres.
5000 W. Chambers St.
Milwaukee, Wisconsin 53210
(414) 447-2130
MEDICAL TECHNOLOGIST
RADIATION THERAPY TECHNOLOGIST
RADIOGRAPHER

St. Luke's Hospital
G.Edwin Howe, President
2900 W. Oklahoma Ave.
Milwaukee, Wisconsin 53215
(414) 647-6423
RADIOGRAPHER
NUCLEAR MEDICINE TECHNOLOGIST
MEDICAL TECHNOLOGIST

St. Mary's Hospital
Sr. Priscilla Grimes, Admin.
2323 N. Lake Dr.
Milwaukee, Wisconsin 53211
(414) 289-7010
RADIOGRAPHER
MEDICAL TECHNOLOGIST

St. Michael Hospital
John A. Comiskey, President
2400 W. Villard Ave.
Milwaukee, Wisconsin 53209
(414) 263-8000
RADIOGRAPHER
MEDICAL TECHNOLOGIST

University of Wisconsin-Milwaukee
Alan J. Weston, Dean
School of Allied Health Professions
P. O. Box 413
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(414) 963-4712
OCCUPATIONAL THERAPIST
MEDICAL RECORD ADMINISTRATOR

NEENAH
Theda Clark Memorial Hospital
G. L. Aldridge, President
130 Second St.
Neenah, Wisconsin 54956
(414) 725-4311
MEDICAL TECHNOLOGIST
RADIOGRAPHER

NEW RICHMOND
Indianhead Technical Institute
Warren Leonard, Campus Admin.
1019 South Knowles Ave.
New Richmond, Wisconsin 54017
(715) 246-6561
MEDICAL ASSISTANT

OSHKOSH
Mercy Medical Center
Bernard J. Schlueter, President
631 Hazel St.-PO Box 1100
Oshkosh, Wisconsin 54901
(414) 231-3300
MEDICAL TECHNOLOGIST
RADIOGRAPHER

PEWAUKEE
Waukesha County Technical Institute
richard T. Anderson, Dist. Dir.
800 Main Street
Pewaukee, Wisconsin 53072
(414) 691-3200
MEDICAL ASSISTANT
SURGICAL TECHNOLOGIST

RACINE
St. Luke's Memorial Hospital
Karl H. York, President
1320 Wisconsin Ave.
Racine, Wisconsin 53403
(414) 636-2218
MEDICAL TECHNOLOGIST
RADIOGRAPHER

St. Mary's Medical Center, Inc.
Edward P. DeMeulenaere, President
3801 Spring St.
Racine, Wisconsin 53405
(414) 636-4285
MEDICAL TECHNOLOGIST
RADIOGRAPHER

RHINELANDER
St. Mary's Hospital
William E. Osborne, President
1044 Kabel Ave.
Rhinelander, Wisconsin 54501
(715) 369-3311
RADIOGRAPHER

STEVENS POINT
St. Michael's Hospital
Richard R. Lansing, President
900 Illinois Ave.
Stevens Point, Wisconsin 54481
(715) 344-4400
MEDICAL TECHNOLOGIST

WAUKESHA
Waukesha Memorial Hospital
D. W. Fundingsland, President
725 American Ave.
Waukesha, Wisconsin 53186
(414) 544-2241
RADIOGRAPHER
MEDICAL TECHNOLOGIST

WAUPUN
Waupun Memorial Hospital
Terence J. Schuessler, Admin.
620 W. Brown St.
Waupun, Wisconsin 53963
(414) 324-5581
MEDICAL LABORATORY TECHNICIAN (CERT PROGRAM)

WAUSAU
North Central Technical Institute
Dwight Davis, Dist. Director
1000 Schofield Ave.
Wausau, Wisconsin 54401
(715) 675-3331
RADIOGRAPHER

Wausau Hospitals, Inc.
Terrence M. O'Rourke, President
Maple Hill
Wausau, Wisconsin 54401
(715) 845-5262
MEDICAL TECHNOLOGIST

WEST ALLIS
West Allis Memorial Hospital
Ronald W. Labott, Admin.
8901 W. Lincoln Ave.
West Allis, Wisconsin 53227
(414) 321-2200
MEDICAL TECHNOLOGIST

WOOD
Veterans Administration Medical Center
A.L. Modin, Director
5000 W. National Ave.
Wood, Wisconsin 53193
(414) 384-2000
RADIOGRAPHER
MEDICAL TECHNOLOGIST
HISTOLOGIC TECHNICIAN

WYOMING

CHEYENNE
Laramie County Community College
Harlan Heglar, President
1400 East College Dr.
Cheyenne, Wyoming 82001
(307) 634-5853
RADIOGRAPHER

CODY
West Park County Hospital
M.J. Smith, MD, Program Director
707 Sheridan Avenue
Cody, Wyoming 82414
(307) 587-2694
RADIOGRAPHER

LARAMIE
University of Wyoming
Hugh McFadden, Actg President
President's Office
Laramie, Wyoming 82071
(307) 766-4121
MEDICAL TECHNOLOGIST

Accredited Educational Programs Listed by Occupational Type-1978

CAHEA-accredited educational programs are broken down in these lists by occupational type, with 23 of the 24 accredited occupational areas reporting accredited programs. The names of the program officials, prerequisites for admission, length of the educational program, date classes begin, maximum number of students authorized per class, tuition, scholarship or stipend offered, degree or certificate granted, date of next survey for programs applying for reaccreditation, and the names of the affiliates are provided. The listings contain programs accredited or discontinued as of the October, 1978 CAHEA meeting. Although most of the information in these lists was obtained from the 1978 Annual Report Questionnaires completed by programs between February and June, 1979, some information was updated as late as July 15, 1979. The entries are listed alphabetically by occupational type, state, city, and full name of the institution.

Assistant to the Primary Care Physician

Tables of Entrance Requirements for the Assistant to the Primary Care Physicians

A. Preference for health experience
B. Two years health experience
C. Three years health experience
D. One year patient care experience
E. Two years patient care experience
F. Three years patient care experience
G. H.S. diploma or equivalent
H. One year college
I. Post H.S. medical training and/or college education
J. Two years post H.S. classroom training
K. Two years college or equivalent
L. Two years medical corpsman or two years college and/or patient care experience
M. Work experience with American Indians
N. Medical service airman with three years service
O. Three years medical experience and/or education
P. Ex-military corpsman minimum 14 weeks medical training
Q. Registered Nurse (2, 3, or 4 year program)
R. 2 years ambulatory care experience

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

CALIFORNIA

University of California, Davis
Davis, California 95616
Program Director: L.H. Andrus, MD
Program Director: M. O'Hara-Deveraux, RN,FNP
Educational Coordinator: W.A. Morgan, MD
Educational Coordinator: J.L. Mentink, RN, FNP
Prereq: Q,R* **Class Cap.**: 100 **Begins**: Sep **Length**: 9 mos **Tuition**: $728 **Awards**: M.H.S **$Aid**: Scholarship **Prereq**: Q,R* **Class Cap.**: 100 **Begins**: Jan **Length**: 18 mos **Tuition**: $884 Yr **Awards**: Cert. **$Aid**: Scholarship **Next Survey**: 1980
Affiliates: U of C, Davis Medical Center, Sacramento; San Joaquin General Hospital, Stockton; Shasta General Hospital, Redding; Scenic General Hospital, Modesto; Merced Community Medical Services, Merced; Contra Costa County Medical Services, Martinez

Los Angeles County/Univ. of Southern Calif. Med. Ctr.
1200 N. State St.
Los Angeles, California 90033
Program Director: G.V. Anderson, MD
Educational Coordinator: A. Roy, MD, PhD
Prereq: 60 Coll Units **Class Cap.**: 30 **Begins**: Jul **Length**: 15 mos **Tuition**: $3000 **Awards**: A.S. Cert. **Next Survey**: 1981
Affiliates: Lac/USC Medical Center; San Gabriel Valley Ambulatory Clinic, Alhambra; VA Hospital, Sepulveda; East Los Angeles Community College, Monterey Park;

M.L. King Jr./C.R. Drew Postgrad Med. Sch.
12021 South Wilmington Avenue
Los Angeles, California 90059
Program Director: R.M. Kivel, MD
Educational Coordinator: C. Walker
Prereq: F* **Class Cap.**: 36 **Begins**: Sep,Jan **Length**: 15 mos **Tuition**: None **Awards**: Cert. B.S. **$Aid**: Stipend **Next Survey**: 1981
Affiliates: California State University, Dominguez Hills, Carson; M.L. King, Jr. General Hospital; Hubert Humphrey Comprehensive Health Center; Watts Multipurpose Health Foundation, Watts;

Stanford University School of Medicine
Stanford Medical Center - M123
Stanford, California 94305
Program Director: V. Fowkes
Medical Director: M. Podlone, MD
Prereq: H.S. **Class Cap.**: 35 **Begins**: Sep **Length**: 21 mos **Tuition**: None **Awards**: A.S. Cert. **Next Survey**: 1980
Affiliates: Foothill College, Los Altos Hills; College of the Redwoods, Eureka; Hartnell College, Salinas; Modesto Jr. College, Modesto; Shasta College, Redding; Bakersfield Jr. College, Bakersfield; VA Hospital, Palo Alto; Palo Alto Medical Clinic; Santa Clara Valley Medical Center, San Jose;

COLORADO

University of Colorado Medical Center
4200 E. Ninth Ave.
Denver, Colorado 80262
Program Director: V. Moore, MD
Prereq: 2 yrs Coll **Class Cap.**: 20 **Begins**: Jun **Length**: 36 mos **Tuition**: $1208 Yr Res $4835 Non-Res **Awards**: Cert.B.S. M.S. **Next Survey**: 1979

CONNECTICUT

Yale University School of Medicine
333 Cedar St.
New Haven, Connecticut 06510
Program Director: E. Grant, PAC
Prereq: 2 yrs Coll **Class Cap.**: 24 **Begins**: Aug **Length**: 24 mos **Tuition**: 2700 **Awards**: Cert. **$Aid**: Scholarship **Next Survey**: 1981
Affiliates: Yale-New Haven Hosp.; Hospital of St. Raphael; V.A. Hosp., West Haven; St. Vincent's Hosp., Bridgeport; Bridgeport Hosp., Bridgeport; Danbury Hosp., Danbury; Waterbury Hosp., Waterbury; Black River Clinic, Cavendish; Univ. of Pittsburgh, Pittsburgh, Pa.; Univ. of Connecticut, Farmington

WASHINGTON, D.C.

George Washington University, School of Medicine
2300 Eye St., N.W.
Washington, D.C. 20037
Medical Director: J.E. Ott, MD
Educational Coordinator: L.K. Davies, RN, PAC
Program Director: K.R. Katterjohn, PAC
Prereq: A,D,G I,P* **Class Cap.**: 50 **Begins**: Aug **Length**: 24 mos **Tuition**: $1500 Sem **Awards**: B.S. Cert. **$Aid**: Scholarship **Next Survey**: 1981

Howard University
Georgia Avenue
Washington, D.C. 20001
Program Director: J.J. Nidiry, MD
Educational Coordinator: G. Clemens
Prereq: B.G* P **Class Cap.**: 30 **Begins**: Aug **Length**: 24 mos **Tuition**: $883 Sem **Awards**: Cert. **$Aid**: Scholarship **Next Survey**: 1981
Affiliates: Howard University Hospital; D.C. General Hospital; St. Elizabeth Hospital;

FLORIDA

University of Florida
J. Hillis Miller Hlth Ctr-Box
Gainesville, Florida 32610
Program Director: D. Lewis, EdD
Prereq: D,K **Class Cap.**: 30 **Begins**: Sep **Length**: 24 mos **Tuition**: $842 Sta Res$2627 **Awards**: B.S. **Next Survey**: 1980

GEORGIA

Emory University
Atlanta, Georgia 30322
Program Director: R. Curry, MD
Prereq: A,G* **Class Cap.**: 40 **Begins**: Sep-Jan **Length**: 24-27 mos **Tuition**: $1200 Qtr **Awards**: A.M.ScB.M.Sc **Next Survey**: 1980
Affiliates: Grady Memorial Hospital; Emory University Hospital; VA Medical Center; Wesley Woods Health Center; The Martin Army Hospital, Columbus/Ft. Benning;

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Program Director: J.A. Smith, MD, MPH
Educational Coordinator: J.A. Estep
Prereq: F,K* **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $290 Qtr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Talmadge Memorial Hospital; VA Medical Center; Georgia Regional Hospital; D.D. Eisenhower Army Medical Center, Ft. Gordon; Candler General Hospital; Moncrief Army Hospital, Ft. Jackson; Dudley Mathias Associates, Americus;

IOWA

University of Iowa Hospitals and Clinics
Iowa City, Iowa 52242
Program Director: D.R. Oliver, PhD
Medical Director: D. Laube, MD
Prereq: A,K* **Class Cap.:** 30 **Begins:** Jun **Length:** 24 mos **Tuition:** $1245 Yr Res $2745 Non-Res **Awards:** Cert. B.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Univesity of Iowa Hospitals and Clinics; VA Medical Center; VA Medical Center, Des Moines; Mental Health Institute; Family Practice Residency Programs, Davenport, Des Moines, Mason City, Iowa;

KANSAS

Wichita State University
1845 Fairmount
Wichita, Kansas 67208
Program Director: S.C. Gladhart, ED.D
Medical Director: D. Givner, MD
Prereq: D,G* **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** $900 Yr **Awards:** Cert. B.S. **Next Survey:** 1982

KENTUCKY

University of Kentucky Medical Center
#103 Administration Bldg
Lexington, Kentucky 40506
Program Director: H. Wilson, MD
Educational Coordinator: R. Storat
Prereq: 1 Sem Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 26 mos **Tuition:** $240 Sem Res$605 Non-Res **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

MARYLAND

Essex Community College
7201 Rossville Blvd.
Baltimore, Maryland 21237
Program Director: K. Kaminski, MA, PA-C
Educational Coordinator: K. Kaminski, MA, PA-C
Medical Director: D.H. Sherbourne, MD
Prereq: G* **Class Cap.:** 20 **Begins:** Aug **Length:** 22 mos **Tuition:** $300 YrBalt. County Res. **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1981

MASSACHUSETTS

Northeastern University
360 Huntington Ave.
Boston, Massachusetts 02115
Program Director: S.B. Greenberg, MS
Medical Director: D. Wexler, MD
Prereq: D,E, G,I* **Class Cap.:** 28 **Begins:** Sep **Length:** 21 mos **Tuition:** $700 Qtr **Awards:** Cert. **Next Survey:** 1980

MICHIGAN

Mercy College of Detroit
8200 W. Outer Dr.
Detroit, Michigan 48219
Medical Director: W.C. Montgomery, MD
Program Director: H.G. Gales, MA
Educational Coordinator: L.M. Kammer, MS, PA-C
Prereq: B,E, G,I* **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $1000 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

Western Michigan University
Kalamazoo, Michigan 49008
Program Director: N.P. Johnson, PhD
Medical Director: A. Hamady, MD
Prereq: K,D **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** 26/Cr Cr Hr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979

MISSOURI

St. Louis University
3525 Caroline Street
St. Louis, Missouri 63104
Program Director: F.L. Horvath, MD
Educational Coordinator: D. Wagner, PA-C
Prereq: PE-DK* **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** $3000 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: St. Louis Univ. Group Hosp.; VA Hosp.; St. Louis City Hosp.; St. Louis County Hosp.; Cardinal Glennon Hosp. for Children;

NEBRASKA

University of Nebraska College of Medicine
42nd & Dewey Ave.
Omaha, Nebraska 68105
Program Director: T.F. Gallagher, MD
Educational Coordinator: J.C. Edwards, MS
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** 1067 Yr Res $2835 Non-Res **Awards:** B.S. **Next Survey:** 1980
Affiliates: Veterans Administration Hospital;

NEW JERSEY

Rutgers University
P.O. Box 101
Piscataway, New Jersey 08854
Program Director: C. Herr, MD
Educational Coordinator: S.M. Hardy, PhD
Prereq: 1 Yr Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $760 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Rutgers Univ.-Livingston College, New Brunswick; Coll. of Medicine & Dentistry on New Jersey-Rutgers Medical School

NEW MEXICO

Gallup Indian Medical Center, U.S.P.H.S.
P.O. Box 1337
Gallup, New Mexico 87301
Program Director: J. Whitaker, R.Ph.
Medical Director: J.L. Miller, MD
Prereq: F,G* **Class Cap.:** 15 **Begins:** Aug **Length:** 24 mos **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1979

NEW YORK

Albany Medical College-Hudson Valley Community College
47 New Scotland Ave.
Albany, New York 12208
Program Director: F.M. Woolsey, Jr, MD
Prereq: D,G* **Class Cap.:** 28 **Begins:** Aug **Length:** 24 mos **Tuition:** $1875 2 Yrs Sta-Res$3750 Non-Res **Awards:** A.A.S.Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

The Brooklyn Hospital
121 DeKalb Ave.
Brooklyn, New York 11201
Program Director: M. Stricevic, MD
Educational Coordinator: N. Dominquez, RN
Prereq: D,G K* **Class Cap.:** 44 **Begins:** Sep **Length:** 24 mos **Tuition:** $85 Cr **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

City College/Harlem Hospital Center
138 Street & Convent Avenue
New York, New York 10031
Program Director: T.W. Fonville, MD
Educational Coordinator: S.E. Taylor, RN, PhD
Prereq: B,G, P* **Class Cap.:** 20 **Begins:** Sep **Length:** 28 mos **Tuition:** None **Awards:** Cert. B.S. **Next Survey:** 1980
Affiliates: Harlem Hospital Center; City College of New York; Sydenham Neighborhood Family Care Center; Upper Manhattan Medical Group;

Touro College
30 West 44th St.
New York, New York 10036
Medical Director: S. Korman, MD
Program Director: S.S. Twersky
Prereq: A,K* **Class Cap.:** 100 **Begins:** Sep **Length:** 24 mos **Tuition:** $3500 Year **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Hospital for Joint Disease; Jamaica Hospital, Queens; Kings County Hospital, Brooklyn; North Central Bronx Hospital; Beth Abraham Hospital, Bronx; Caledonia Hospital, Brooklyn; St. Joseph's Hospital, Stamford, Conn;

U.S. Public Health Service
Bay st. & Vanderbilt Ave.
Staten Island, New York 10304
Program Director: R. Videla, RN
Medical Director: R. Dublin, MD
Prereq: G,O,K **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

State University of New York at Stony Brook
Stony Brook, New York 11794
Medical Director: M. Decker, MD
Program Director: E. Brown, PA C.
Medical Director: J. Honorof, MD
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $1050 Yr Res $1750 Non Res **Awards:** Cert. B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

NORTH CAROLINA

Duke University Medical Center
Box 3701
Durham, North Carolina 27710
Medical Director: M. Hamilton, MD
Program Director: R.D. Carter, PhD
Prereq: D,G* K **Class Cap.:** 40 **Begins:** Aug **Length:** 24 mos **Tuition:** $3830 Yr **Awards:** Cert. B.H.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Catawba Valley Technical Institute
Highway 64-70-321 East
Hickory, North Carolina 28601
Medical Director: C.A. Sinclair, MD
Program Director: C.R. Tyler
Prereq: 2 yrs Coll **Class Cap.:** 10 **Begins:** Dec **Length:** 24 mos **Tuition:** $39 **Awards:** A.A.S **Next Survey:** 1979
Affiliates: Glenn R. Frye Memorial Hospital; Veteran's Administration Hospital, Salisbury;

Bowman Gray School of Medicine of Wake Forest University
300 S. Hawthorne St.
Winston-Salem, North Carolina 27103
Program Director: J.L. Pharris, Ph.D
Medical Director: J.C. Mueller, MD
Prereq: A,D G,L* **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $3600 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: VA Hospital, Salisbury; VA Hospital, Asheville; Reynolds Health Care Center; North Carolina Baptist Hospital;

NORTH DAKOTA

University of North Dakota
Grand Forks, North Dakota 58202
Program Director: J. DeMers, RN, M.Ed
Medical Director: R. Eelkema, MD
Prereq: Q,B **Class Cap.:** 35 **Begins:** Varies **Length:** 12 mos **Tuition:** $2500 Res $3500 Non-Res **Awards:** Cert. **Next Survey:** 1981
Affiliates: Univ. of North Dakota Medical School; Univ. of ND College of Nursing;

OHIO

Cuyahoga Community College
700 Carnegie Avenue
Cleveland, Ohio 44115
Medical Director: E.S. Bowerfind Jr., MD
Program Director: R.A. Nystrom, PhD
Prereq: G* **Class Cap.:** 25 **Begins:** Sep **Length:** 22 mos **Tuition:** $150 Qtr Res$360 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980

Kettering College of Medical Arts
3535 Southern Blvd.
Kettering, Ohio 45429
Program Director: C.W. Trott, MD
Prereq: H.S. D* **Class Cap.:** 20 **Begins:** May,Jun or Sep **Length:** 24-25 mos **Tuition:** $2100 Yr **Awards:** A.S. **Next Survey:** 1982
Affiliates: Kettering Medical Center; Children's Medical Center, Dayton; Cox Heart Institute; Veteran's Medical Center, Dayton; Sycamore Medical Center, Miamisburg; Montgomery County Health Department, Dayton;

Lake Erie College-Cleveland Clinic Foundation
391 W. Washington St.
Painesville, Ohio 44077
Medical Director: A.B. Kunkel, MD
Program Director: J.R. Eisenberg, PhD
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 42 mos **Tuition:** $5100 Yr Res $3100 Non-Res **Awards:** B.A. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

OKLAHOMA

University of Oklahoma, Health Sciences Center
801 NE 13th
Oklahoma City, Oklahoma 73190
Program Director: W.D. Stanhope, PA
Medical Director: E.W. Young, Jr., MD
Prereq: B,K* **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 sem res$1100 non res **Awards:** B.S. **Next Survey:** 1981
Affiliates: University Hospital & Clinics; VA Hospital; Oklahoma Children's Memorial Hospital; VA Hospital, Muskogee;

PENNSYLVANIA

Gannon College
Perry Square
Erie, Pennsylvania 16501
Medical Director: B.C. Toperzer, MD
Program Director: C.B. Lechner Jr, PhD
Educational Coordinator: T.R. Klobchar, PA-C
Prereq: H.S. **Class Cap.:** 64 **Length:** 39 mos **Tuition:** $975 Sem **Awards:** B.A.

Pennsylvania State University
500 University Drive
Hershey, Pennsylvania 17033
Program Director: R.A. Henderson, MD
Educational Coordinator: R.L. Jones, PhD
Prereq: H.S. F* **Class Cap.:** 45 **Begins:** Sep **Length:** 18 mos **Tuition:** $2358 in stat$5496 out sta **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980

Hahnemann Medical College & Hospital
230 N. Broad St.
Philadelphia, Pennsylvania 19102
Medical Director: K. Bharadwaja, MD
Program Director: E. Major, MBA
Educational Coordinator: S. Stolberg, BA, PA-C
Prereq: G* **Class Cap.:** 50 **Begins:** Sep **Length:** 21 mos **Tuition:** $2650 Yr **Awards:** A.S. B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Metropolitan Hospital, Lankenau Hospital, Episcopal Hospital, Giuffre Clinic, Temple University Hospital, Germantown Hospital, all in Philadelphia; Robert Packer Hospital, Sayre; Harrisburg Polyclinic Hospital, Harrisburg;

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Medical Director: R. Sobczyk, MD
Program Director: R. Sobczyk, MD
Prereq: B.S. B.A. **Class Cap.:** 30 **Begins:** Sep **Length:** 18 mos **Tuition:** $880 Yr Res $1760 Non Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

TENNESSEE

Trevecca Nazarene College
333 Murfreesboro Road
Nashville, Tennessee 37210
Medical Director: E.E. Vastbinder, MD
Program Director: E.E. Vastbinder, MD
Educational Coordinator: D.C. Henry, MD
Prereq: 2 yrs Coll **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $775 qt **Awards:** B.S. **Next Survey:** 1981

TEXAS

University of Texas Health Science Center at Dallas
5323 Harry Hines Blvd.
Dallas, Texas 75235
Program Director: D.D. Kee
Medical Director: W.W. Neal, MD
Prereq: K* **Class Cap.:** 24 **Begins:** Jun **Length:** 27 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Dallas VA Hosp. Parkland Memorial Hosp.; Children's Medical Center; Methodist Hosp.; J.P. Smith Hosp., Ft. Worth;

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Program Director: B. Williams
Medical Director: D.C. Allensworth, III, MD
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Jul **Length:** 24 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1980

Baylor College of Medicine
1200 Moursund Ave.
Houston, Texas 77030
Program Director: R.J. Luchi, MD
Educational Coordinator: C.E. Fasser, PAC
Prereq: B,G,K **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $2200 Yr **Awards:** Cert. B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: The Methodist Hospital; St. Luke's Episcopal Hospital; Ben Taub General Hospital; Jefferson Davis Hospital; Houston Veteran's Hospital; Harris County Hospital District Clinics; Temple Veteran's Administration Center, Temple;

USAF School of Health Care Sciences
Sheppard Air Force Base
Wichita Falls, Texas 76311
Program Director: Col. M.E. Wilson, USAF, BSC
Medical Director: LtCol E.L. McGovern, USAF, MC
Prereq: D,G,N* **Class Cap.:** 65 **Begins:** Mar-Jul Nov **Length:** 24 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979

UTAH

University of Utah
204 Park Bldg.
Salt Lake City, Utah 84112
Program Director: C.H. Castle, MD
Medical Director: K. Kotrady, MD
Prereq: F,P,* **Class Cap.:** 17 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982

WASHINGTON

University of Washington
1107 NE 45th, RM 340
Seattle, Washington 98105
Program Director: R.G. Harmon, MD, MPH
Educational Coordinator: K. Lester, PA-C
Prereq: E* **Class Cap.:** 25 **Begins:** Sep **Length:** 12 mos **Tuition:** $229 res $798 non res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

WEST VIRGINIA

Alderson Broaddus College
College Hill
Philippi, West Virginia 26416
Medical Director: M.R. Zinke, MD
Program Director: Dr. P.A. Bennett, Ed.D.
Educational Coordinator: H.A. Bache Jr., PA-C
Prereq: G* **Class Cap.:** 50 **Begins:** Sep,Dec Mar,May **Length:** 42 mos **Tuition:** $783 10 wk Qtr **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

WISCONSIN

The University of Wisconsin-Madison
220 WARF, 610 North Walnut St.
Madison, Wisconsin 53706
Medical Director: J.I. Warrick, MD
Program Director: D.C. Hoffman, PhD
Educational Coordinator: D.L. Monk, MEd, PA-C
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Jan-Sep **Length:** 18 mos **Tuition:** $406 sem res$1473 non res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982

Cytotechnologist

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Medical Director: B. Kashlan, MD, Actg
Program Director: B. Kashlan, MD, Actg
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Sept **Length:** 12 mos **Tuition:** $1082 Yr **Awards:** B.S. **Next Survey:** 1981
Affiliates: University Hospitals & Clinics (UAB);

University of South Alabama
3062 Medical Science Bldg.
Mobile, Alabama 36688
Medical Director: E.A. Dowling, MD
Educational Coordinator: M.C. Jones, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: University Medical Center, Mobile;

CALIFORNIA

Hospital of the Good Samaritan
616 S. Witmer St.
Los Angeles, California 90017
Medical Director: W.H. Kern, MD
Program Director: C. Williams, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Los Angeles County-USC Medical Center
1200 N. State St.
Los Angeles, California 90033
Medical Director: C.P. Schwinn, MD
Program Director: S. Kuramoto, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Valley Clinical Laboratories, Inc.
74-040 El Paseo
Palm Desert, California 92260
Medical Director: M.E. Williamson, MD
Educational Coordinator: R. Boswell
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Donald N. Sharp Memorial Hospital
7901 Frost St.
San Diego, California 92123
Medical Director: R.A. Perry, MD
Educational Coordinator: D. Lloyd, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Feb **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1984

University of California-San Francisco
513 Parnassus Ave.
San Francisco, California 94143
Medical Director: E.B. King, MD
Educational Coordinator: D.L. Barrett, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** Univ. **Awards:** Cert. **Next Survey:** 1979
Affiliates: Eden Lab Medical Group, Inc., Castro Valley; Naval Regional Medical Center, Oakland; Mt. Zion Hosp. & Med. Ctr.

COLORADO

St. Mary's Hospital
Seventh & Patterson Rd.
Grand Junction, Colorado 81501
Medical Director: G. Saccomanno, MD
Program Director: C. Kevin, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 8 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

CONNECTICUT

Hartford Hospital
80 Seymour St.
Hartford, Connecticut 06115
Medical Director: R.D. Otis, MD
Program Director: A.L. Griswold, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982

FLORIDA

University of Miami School of Medicine
1611 N.W. 12th Ave.
Miami, Florida 33136
Medical Director: A.B.P. Ng, MD, FIAC
Educational Coordinator: S.E. Greening, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $1500 Yr **Awards:** Cert. **Next Survey:** 1984

GEORGIA

Grady Memorial Hospital
80 Butler St., S.E.
Atlanta, Georgia 30303
Medical Director: Z.M. Naib, MD
Educational Coordinator: D. Willis, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1981

Medical Diagnostic & Reasearch Lab
499 Peachtree St. NE
Atlanta, Georgia 30308
Medical Director: J.T. Godwin, MD
Program Director: P.A. Lindblom, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Jul-Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

ILLINOIS

Michael Reese Hospital & Medical Center
2900 S. Ellis Ave.
Chicago, Illinois 60616
Program Director: R. Padleckas, MD
Educational Coordinator: K. Kennedy, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1983

Mount Sinai Hospital Medical Center
2750 W. 15th Place
Chicago, Illinois 60608
Medical Director: A.I. Rubenstone, MD
Program Director: S.R. Ayers, MA, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Presbyterian-St. Lukes Hospital

University of Chicago-Lying-in-Hospital
5841 S. Maryland Ave.
Chicago, Illinois 60637
Medical Director: G.L. Wied, MD
Medical Director: M. Bibbo, MD
Program Director: C.M. Keebler, CT(ASCP)
Educational Coordinator: J.M. Reale, BS, MT(ASCP) CT
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Jul **Length:** 12 mos **Tuition:** $700 Yr **Awards:** Cert. **Next Survey:** 1979
Affiliates: St. Francis College, Joliet

INDIANA

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Medical Director: L.M. Roth, MD
Program Director: R.W. Wall, MS, CT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** $24 Hr Res $55 Hr Non Res **Awards:** B.S. **Next Survey:** 1983
Affiliates: Veterans Administration Hospital

Lakeshore Med.-Laboratory Training Programs
1701 Buffalo St. PO Box 340
Michigan City, Indiana 46360
Program Director: T. Roberts, MD
Educational Coordinator: M.E. Metzinger, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

South Bend Medical Foundation, Inc.
531 N. Main St.
South Bend, Indiana 46601
Medical Director: L.K. Hussey, MD
Program Director: L.K. Hussey, MD
Educational Coordinator: J.E. Shalhkam, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Varies **Length:** 12 mos **Tuition:** $300 Yr **Awards:** Cert. **Next Survey:** 1982
Affiliates: St. Mary's University;

IOWA

Des Moines Medical Center
1073 Fifth St.
Des Moines, Iowa 50314
Medical Director: C.H. Denser, Jr, MD
Program Director: C. Wintermantel, CT, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Oct **Length:** 12 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1982
Affiliates: Iowa State Univ, Ames; Simpson College, Indianola; Mt. Marty College, Yankton, S. Dak.

Mercy Hospital
Sixth & University
Des Moines, Iowa 50314
Medical Director: J. Song, MD
Program Director: J. Sams, CT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1982

KANSAS

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Program Director: F. Lin, MD
Educational Coordinator: G. Johnson, CT, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

St. Francis Hospital
929 N. St. Francis Ave.-PO Box
Wichita, Kansas 67201
Program Director: R.S. Taylor, MD
Educational Coordinator: J. Woods, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Prereq:** 3 Yrs Coll **Class Cap.:** 6 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1983
Affiliates: Kansas Newman College; Wichita State Univ.; Kansas State Univ., Manhattan; Fort Hays State College, Hays

Wesley Medical Center
550 N. Hillside Ave.
Wichita, Kansas 67214
Medical Director: R.L. Druet, MD, Asst.
Program Director: H. Grohs, MD
Educational Coordinator: H. Daniel, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984
Affiliates: Wichita State University;

KENTUCKY

University of Louisville
P.O. Box 35260
Louisville, Kentucky 40232
Program Director: J.E. Parker, MD
Educational Coordinator: M.E. Adams, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** $855 Res $3000 Non-ResPer 12 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Louisville General Hospital; Norton-Children's Hospital; American Biomedical Corp; U of L, Dept of Pathology;

LOUISIANA

Louisiana State University Medical Center
1400 Canal St.
New Orleans, Louisiana 70119
Medical Director: N.D. Holmquist, MD
Program Director: M.D. Holmquist, CT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Louisiana State Sch. of Allied Health Professions; St. Mary's Dominican College

MARYLAND

Johns Hopkins University
624 N. Broadway
Baltimore, Maryland 21205
Program Director: J.K. Frost, MD
Educational Coordinator: A. Howdon, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $2500 Yr **Awards:** Cert. **Next Survey:** 1982
Affiliates: The Johns Hopkins University

Naval Health Sciences Education & Training Command
Bethesda, Maryland 20014
Program Director: R. Sbasching, MD
Educational Coordinator: M. Hull, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

MASSACHUSETTS

Boston School of Cytotechnology
245 Pond Ave.
Brookline, Massachusetts 02146
Medical Director: R.L. Ehrmann, MD
Educational Coordinator: S. Best, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 16 **Begins:** Sep **Length:** 12 mos **Tuition:** $2100 Yr **Awards:** Cert. **Next Survey:** 1984
Affiliates: Northeastern University, Boston; Quinnipiac College, Hamden, Conn.

Berkshire Medical Center
725 North St.
Pittsfield, Massachusetts 01201
Medical Director: J.S. Ross, MD
Program Director: E. Booth, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

MICHIGAN

University of Michigan Medical Center
1405 E. Ann St., Box 45
Ann Arbor, Michigan 48109
Medical Director: B. Naylor, MD
Medical Director: S.R. Kini, MD
Educational Coordinator: M.J. Krook, CT(ASCP)
Educational Coordinator: M.J. Smith, BS,CT(ASCP)CO
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: Henry Ford Hospital, Detroit

Harper-Grace Hospitals
3990 John R St.
Detroit, Michigan 48201
Medical Director: A.R. Climie, MD
Program Director: R. Pollard, MD
Educational Coordinator: R. Lavoie, CT(ASCP)(IAC)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1984

Lansing Community College
419 N. Capitol Ave.
Lansing, Michigan 48914
Medical Director: W.E. Maldonado, MD
Program Director: M. Haynes, CT(ASCP)
Prereq: 1 Yr Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $9 Cr Hr **Awards:** A.S. **Next Survey:** 1980
Affiliates: Edward W. Sparrow Hosp.; Laboratory of Clinical Medicine; Ingram Medical Center

William Beaumont Hospital
3601 West Thirteen Mile Rd.
Royal Oak, Michigan 48072
Program Director: E.G. Bernacki, Jr.
Educational Coordinator: S.S. Dingler, CT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: Oakland University, Rochester

MISSISSIPPI

University of Mississippi Medical Center
2500 N. State St.
Jackson, Mississippi 39216
Program Director: C.G. Evers, MD
Educational Coordinator: Z. Cason, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

MISSOURI

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Medical Director: J.F. Townsend, MD
Program Director: C.K. Leeper, MD
Educational Coordinator: M. Jackson, CT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 5 **Begins:** May **Length:** 12 mos **Tuition:** $903 Yr Res $2598 Non-Res **Awards:** Cert. B.S. **Next Survey:** 1980
Affiliates: Stephens Coll; Wm. Woods Coll., Fulton

NEW JERSEY

College of Medicine and Dentistry of New Jersey
100 Bergen St.
Newark, New Jersey 07103
Program Director: H.R. Chung, MD
Educational Coordinator: R. Gerstung, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Length:** 12 mos **Awards:** Cert. **Next Survey:** 1981

Muhlenberg Hospital
Park Ave. & Randolph Rd.
Plainfield, New Jersey 07061
Program Director: B.H. Hyun, MD
Program Director: G.H. Salazar, MD
Educational Coordinator: B.J. Juhasz, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $125 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Keane College of New Jersey, Union

NEW YORK

Albany School of Cytotechnology
432 Western Ave.
Albany, New York 12208
Medical Director: C.E. Staunton, MD
Educational Coordinator: W. Clinton
Prereq: 2 Yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** $1500 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Albany Med Coll; College of St. Rose; St. Peter's Hosp; Memorial Hosp; Ellis Hosp, St. Clare's Hosp, Schenectady;

Memorial Hospital for Cancer & Allied Diseases
1275 York Avenue
New York, New York 10021
Medical Director: M.R. Melamed, MD
Medical Director: E. Saigo, MD
Program Director: R.M. DeSantis, CT(ASCP)
Educational Coordinator: R.M. DeSantis, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1984

New York Hospital - Cornell Medical Center
525 E. 68th St.
New York, New York 10021
Medical Director: J.F. Seybolt, MD
Program Director: J. Bancroft, MS, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1984

State University of New York-Upstate Medical Center
766 Irving Ave.
Syracuse, New York 13210
Medical Director: D.B. Jones, MD
Program Director: M. Palmieri, CT(ASCP)
Educational Coordinator: D.A. Coble, EdD, CT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $450 Sem Res$750 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Community General Hospital; St. Joseph's Hosp.; Strong Memorial Hosp., Rochester; Pathology Associates, Inc.;

NORTH CAROLINA

University of North Carolina
South Building
Chapel Hill, North Carolina 27514
Medical Director: R.W. Shermer, MD
Program Director: S. Renwick, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $290 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

Duke University Medical Center
Box 3701
Durham, North Carolina 27710
Director: W.W.Johnston, MD
Director: P.R. Ashton, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** Cert. **Next Survey:** 1982

Bowman Gray School of Medicine of Wake Forest University
300 S. Hawthorne St.
Winston-Salem, North Carolina 27103
Medical Director: R.B. Marshall, MD
Medical Director: A. Trillo, MD
Program Director: P. Breedin, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 5 **Begins:** Sep **Length:** 12 mos **Tuition:** $160 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: North Carolina Baptist Hospital

NORTH DAKOTA

University of North Dakota School of Medicine
University Station
Grand Forks, North Dakota 58202
Program Director: W.A. Wasdahl, MD
Program Director: W.W. Nelson, MD
Educational Coordinator: R.W. Gay, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $545 Yr Res $1313 Non-Res **Awards:** Cert. B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

OHIO

Akron General Medical Center
400 Wabash Ave.
Akron, Ohio 44307
Medical Director: A.S. Lermer, MD
Educational Coordinator: J.M. Johnson, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 Yr **Awards:** A.S. Dipl **Next Survey:** 1983
Affiliates: University of Akron

Aultman Hospital Association
2600 Sixth St., S. W.
Canton, Ohio 44710
Program Director: M.G. Ong, MD
Medical Director: V.T. Mehta, MD
Educational Coordinator: H.R. Drozda, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

University of Cincinnati Medical Center
234 Bethesda Ave.
Cincinnati, Ohio 45267
Medical Director: R.D. Smith, MD
Program Director: R.M. Goodell, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $800 Yr **Awards:** Cert. **Next Survey:** 1980

St. Luke's Hospital
11311 Shaker Blvd.
Cleveland, Ohio 44104
Medical Director: P.H.L. Tang, MD
Program Director: S.G. Hoffman, CT, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

University Hospitals of Cleveland
2065 Adelbert Rd.
Cleveland, Ohio 44106
Program Director: J.W. Reagan, MD
Educational Coordinator: G.C. Horak, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1978

Miami Valley Hospital
1 Wyoming St.
Dayton, Ohio 45409
Medical Director: J.W. Funkhouser, MD
Program Director: M.R. Carroll, MA, MT(ASCP)
Educational Coordinator: K. Hunter, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1980

St. Elizabeth Hospital
1044 Belmont Ave.
Youngstown, Ohio 44501
Medical Director: B. Taylor, MD
Program Director: K. Franko, CT, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1984

OKLAHOMA

University of Oklahoma, Health Sciences Center
801 NE 13th
Oklahoma City, Oklahoma 73190
Medical Director: B.J. McClellan, MD
Program Director: L.E. Litton, CT(ASCP)
Educational Coordinator: D. Rybka, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 24 mos **Tuition:** $16 SemHr Res $49 Non-Res **Awards:** Degree **Next Survey:** 1982

OREGON

University of Oregon Health Sciences Center
3181 S.W. Sam Jackson Park Rd.
Portland, Oregon 97201
Medical Director: F. Vellios, MD
Program Director: F. Vellios, MD
Educational Coordinator: E.H. Nassir, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

PENNSYLVANIA

Geisinger Medical Center
North American Avenue
Danville, Pennsylvania 17821
Medical Director: J.J. Moran, MD
Program Director: T.A. Seidel, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $800 Yr **Awards:** Cert. **Next Survey:** 1983

Hospital of the University of Pennsylvania
3400 Spruce St.
Philadelphia, Pennsylvania 19104
Medical Director: B.F. Atkinson, MD
Educational Coordinator: W.F. West, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1980

Thomas Jefferson University
11th & Walnut Sts.
Philadelphia, Pennsylvania 19107
Medical Director: M. Takeda, MD
Medical Director: W.R. Lang, MD
Program Director: R. Karp, CT(ASCP)
Educational Coordinator: M.J. McHenry, BS, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 15 **Begins:** Sep **Length:** 22 mos **Tuition:** $3400 Yr **Awards:** B.S. **Next Survey:** 1982
Affiliates: Thomas Jefferson University Hospital

Allegheny General Hospital
320 E. North Ave.
Pittsburgh, Pennsylvania 15212
Medical Director: D.W. Hayeslip, MD
Program Director: C.A. McClure, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $600 Yr **Awards:** Cert. **Next Survey:** 1981

Presbyterian-University Hospital
Desota @ O'Hara Sts.
Pittsburgh, Pennsylvania 15213
Program Director: A. Kanbour, MD
Program Director: A. Dekker, MD
Educational Coordinator: R. Romadella, CT(ASCP)
Prereq: 4 Yrs Coll **Class Cap.:** 4 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Magee-Women's Hospital

University of Pittsburgh
106 Pennsylvania Hall
Pittsburgh, Pennsylvania 15260
Medical Director: A. Kanbour, MD
Program Director: A. Dekker, MD
Educational Coordinator: R. Romadella, CT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 4 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: McGee Women's Hospital; Presbyterian-University Hospital;

PUERTO RICO

University of Puerto Rico, Medical Science Campus
G.P.O. Box 5067
Rio Piedras, Puerto Rico 00936
Medical Director: M.A. Noy, MD
Program Director: R.A. Rodriguez, CT(ASCP)
Prereq: Degree **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: VA Hospital, Puerto Rico Health Department, Rio Piedras;

RHODE ISLAND

St. Joseph's Hospital-Our Lady of Fatima Unit
200 High Service Ave.
Providence, Rhode Island 02904
Program Director: S.R. Allegra, MD
Educational Coordinator: N.L. Corvese, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave Rm E222
Charleston, South Carolina 29401
Medical Director: Edward McKee, MD
Program Director: Ann H. Clark, CT(ASCP), CT(IAC), MEd
Educational Coordinator: Ann H. Clark, CT(ASCP), CT(IAC), MEd
Prereq: 2 Yrs Coll 3 Yrs Coll **Class Cap.:** 16 **Begins:** Sep Jun **Length:** 21 mos 12 mos **Tuition:** $600 Res $1620 **Awards:** BS Cert

TENNESSEE

University of Tennessee Memorial Hospital
1924 Alcoa Hwy.
Knoxville, Tennessee 37920
Medical Director: F.S. Jones, MD
Program Director: F. Harrill, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

The University of Tennessee Center for the Health Sciences
62 South Dunlap
Memphis, Tennessee 38163
Medical Director: S.A. Coleman, MD
Educational Coordinator: I. Rube, S, CT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** July **Length:** 12 mos **Tuition:** $150 Qtr Res$462 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: City of Memphis Hospitals; V.A. Hospital

TEXAS

Dallas County Hospital District
5201 Harry Hines Blvd.
Dallas, Texas 75235
Program Director: A.L. Smith, MD
Educational Coordinator: D.S. Mason, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Univ. of Texas Health Sciences Center

Parkland Memorial Hospital
5323 Harry Hines Blvd.
Dallas, Texas 75235
Program Director: A.L. Smith, MD
Educational Coordinator: N. Bjork, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: University of Texas Southwestern Medical School

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Medical Director: S.N. Becker, MD
Educational Coordinator: J. Yee Wong, CT(ASCP)MT
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

U of TX-School of Allied Hlth Sciences at Houston
PO Box 20036
Houston, Texas 77025
Medical Director: J.M. Lukeman, MD
Program Director: R.M. Bean, CT(ASCP)
Educational Coordinator: R. Samuel, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 11 **Begins:** Jun **Length:** 12 mos **Tuition:** $132 res $1280 non-res **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1979

Baptist Memorial Hospital
111 Dallas St.
San Antonio, Texas 78286
Medical Director: R.J. Galbreath, MD
Educational Coordinator: E.D. Ludolph, MT(ASCP)CT
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1984

Baxar County Hospital District
4502 Medical Dr.
San Antonio, Texas 78284
Medical Director: I. Ramzy, MD
Program Director: I. Ramzy, MD
Educational Coordinator: H.D. Schantz
Prereq: 2 Yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Univ. of Texas Health Sciences Center

VERMONT

Medical Center Hospital of Vermont
Colchester Ave.
Burlington, Vermont 05401
Program Director: R. Korson, MD
Educational Coordinator: D.A. Coble, MS, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Vermont, Burlington

VIRGINIA

University of Virginia Medical Center
Charlottesville, Virginia 22908
Program Director: P.S. Feldman, MD
Educational Coordinator: J.L. Covell, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

DePaul Hospital
150 Kingsley Lane
Norfolk, Virginia 23505
Program Director: A.R. Goodwin, MD
Educational Coordinator: A.G. Hawkins, CT, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 3 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Medical College of Virginia/Virginia Commonwealth University
910 West Franklin St.
Richmond, Virginia 23284
Medical Director: W.J. Frable, MD
Program Director: J.R. Outlaw, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1984

WASHINGTON

University of Washington-Harborview Medical Center
325 Ninth Ave.
Seattle, Washington 98104
Medical Director: E.A. Barker, MD, PhD
Educational Coordinator: J. Brockway, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

WEST VIRGINIA

Charleston Area Medical Center, Inc.
Brooks & Elmwood Streets
Charleston, West Virginia 25326
Medical Director: M.R. Cuadra, MD
Program Director: C.H. Stevens, CT(ASCP)
Educational Coordinator: J. Peterson, CT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Cabell Huntington Hospital
1340 Sixteenth St.
Huntington, West Virginia 25701
Medical Director: G.G. Hunter, MD
Program Director: F.L. Binder, PhD
Educational Coordinator: M. Smith, CT(ASCP)
Prereq: 2-3 yrs Coll **Class Cap.:** 4 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** A.S. B.S. **$Aid:** Scholarship **Next Survey:** 1980

WISCONSIN

The University of Wisconsin-Madison
220 WARF, 610 North Walnut St.
Madison, Wisconsin 53706
Medical Director: M. Sonek, MD
Program Director: N. Arvold, CT, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Marshfield Medical Center Laboratory
1000 N. Oak
Marshfield, Wisconsin 54449
Program Director: C.N. Reyes, MD
Educational Coordinator: D.L. Nelles, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 2 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984

Milwaukee County Medical Complex
8700 W. Wisconsin Ave.
Milwaukee, Wisconsin 53226
Medical Director: L.J. Clowry, MD
Program Director: J.V. Stramfjord, MD, PhD
Educational Coordinator: C.M. Schuettke, CT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

Electroencephalographic Technician

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

United Hospital
406 Boston Post Rd
Port Chester, New York 10573
Program Director: J.J. Lewin, R.EEG T.
Prereq: HS 1 yr Coll **Class Cap.:** 5 **Begins:** Jan Jul **Length:** 6 mos **Tuition:** $750 **Awards:** Cert

Electroencephalographic Technologist

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Program Director: M. Blanton, R.EEG.T
Prereq: 3 qtrs **Class Cap.:** 16 **Begins:** Mar-Sep **Length:** 3 qtrs **Tuition:** $370 **Awards:** Cert. **Next Survey:** 1978
Affiliates: University Hospital; Children's Hospital; VA Hospital; St. Vincent's Hospital; Baptist Med Ctr -Princeton, Montclair; Baptist Hospital, Montgomery; Carraway Methodist Medical Center;

ARIZONA

St. Joseph's Hospital & Medical Center
350 W. Thomas Rd.
Phoenix, Arizona 85001
Program Director: A.D. Sidell, MD
Educational Coordinator: D. Brittenham, R.EEG T.
Prereq: H.S. **Class Cap.:** 10 **Begins:** Fall **Length:** 24 mos **Tuition:** None **Awards:** A.A. **Next Survey:** 1978
Affiliates: Phoenix Junior College

CALIFORNIA

Orange Coast College
2701 Fairview Rd.
Costa Mesa, California 92626
Medical Director: D. Johnson, MD
Program Director: E. McTiernan, R.EEG T.
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep **Length:** 18 mos **Tuition:** None **Awards:** Cert. A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Joseph's Hosp; Memorial Hosp. of Long Beach; Harbor General Hosp, Torrance; Orange County Medical Center, Orange; Los Alamitos General, Los Alamitos; Fountain Valley General Hosp., Fountain Valley; Canyon General Hosp., Anaheim; Los Angeles General Hospital, Los Angeles; Pacifica General Hospital, Huntington Beach; Neurological Lab., Inc., Newport Beach

FLORIDA

Veterans Administration Hospital
S.W. Archer Rd.
Gainesville, Florida 32602
Medical Director: L.J. Willmore, MD
Educational Coordinator: F. Matthews, R.EEG T.
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Univ. of Florida College of Medicine, Gainesville

St. Joseph's Hospital
3001 W. Buffalo Ave.
Tampa, Florida 33607
Program Director: V.S. Porter, R EEG.T
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sept **Length:** 12 mos **Tuition:** $200 **Awards:** Cert **Next Survey:** 1978

LOUISIANA

Louisiana State University Medical Center
1400 Canal St.
New Orleans, Louisiana 70119
Medical Director: G.S. Ferriss, MD
Educational Coordinator: C.S. Parrino, R.EEG T.
Prereq: H.S. **Class Cap.:** 9 **Begins:** Jul **Length:** 12 mos **Tuition:** $370 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Charity Hospital of Louisiana at New Orleans, New Orleans

MASSACHUSETTS

Laboure Junior College
2120 Dorchester Ave.
Boston, Massachusetts 02124
Medical Director: R G. Feldman, MD
Program Director: J.F. Wilkens, R. EEG T.
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $2500 Yr **Awards:** A.S. **Next Survey:** 1981
Affiliates: Veterans Administration Hosp.; University Hosp.; Quincy City Hosp., Quincy; Kennedy Memorial Hosp., Brighton; South Shore Hosp., Weymouth; Tufts-N.E. Medical Center; Carney Hosp.

NEW YORK

Columbia Presbyterian Medical Center
622 W. 168th St.
New York, New York 10032
Program Director: E.S. Goldensohn, MD
Educational Coordinator: C. Christensen, R.EEG T.
Prereq: H.S. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $700 Yr **Awards:** Cert. **Next Survey:** 1980

NORTH CAROLINA

Duke University Medical Center
Box 3701
Durham, North Carolina 27710
Medical Director: W.P. Wilson, MD
Program Director: P.P. Pepper
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $650 Yr **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Veterans Administration Hospital; Duke Hospital; Epilepsy Research Center;

PENNSYLVANIA

Crozer-Chester Medical Center
15th St. & Upland Ave.
Chester, Pennsylvania 19013
Director: L. Green, MD
Director: E.M. Hayes, R.EEG T.
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Hahnemann Medical College & Hospital, Philadelphia;

TEXAS

Univ. of Texas Sch. of Allied Health Sciences/ Galveston College
Galveston, Texas 77550
Program Director: J.L. Cantwell
Educational Coordinator: J. Novak, RN,R.EEG T.
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul **Length:** 26 mos **Tuition:** $72 res$200 non res **Awards:** Cert. A.A.S **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Univ. of Texas Medical Branch Hosp., Galveston; St. Mary's Hosp., Galveston

Herman Hospital/M.D. Anderson Hospital
1203 Ross Sterling
Houston, Texas 77030
Medical Director: E.L. Reilly, MD
Program Director: M. Seward, R. EEG T.
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jun,Jan **Length:** 12 mos **Tuition:** $300 Res $600 Non-Res **Awards:** Cert.

WISCONSIN

Western Wisconsin Technical Institute
Sixth & Vine Sts.
La Crosse, Wisconsin 54601
Medical Director: B. Vishwanat, MD
Program Director: M. Rusche
Educational Coordinator: C. Pollert, R. EEG T.
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 18 mos **Tuition:** $669 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Gundersen Med. Fdn.; Marshfield Clinic, Mshfld; St. Francis Hosp; St. Paul-Ramsey Hosp, S.P.; U of M Med Ctr, Minn.;

Emergency Medical Technician-Paramedic

Essentials for the Emergency Medical Technician-Paramedic were adopted in 1978. As yet, there are no accredited EMT-Paramedic educational programs.

Histologic Technician

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ARKANSAS

Baptist Medical Center
9601 Interstate 630
Little Rock, Arkansas 72201
Medical Director: D. Young, MD
Educational Coordinator: J.B. Moore, HT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** 2nd Mon.of Jun **Length:** 12 mos **Tuition:** $300 **Awards:** Cert. **Next Survey:** 1983

CALIFORNIA

Scripps Memorial Hospital
9888 Genesee Ave.
La Jolla, California 92037
Program Director: P.L. Gausewitz, MD
Educational Coordinator: A. Preece, HT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** None **$Aid:** Stipend **Next Survey:** 1978

Valley Clinical Laboratories, Inc.
74-040 El Paseo
Palm Desert, California 92260
Medical Director: M.E. Williamson
Educational Coordinator: M. Hagerty, HT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Next Survey:** 1983

FLORIDA

University of Miami School of Medicine
1611 N.W. 12th Ave.
Miami, Florida 33136
Medical Director: A. Ng, MD
Educational Coordinator: R.L. Kerr, HT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** $50 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

GEORGIA

Georgia Baptist Hospital
300 Boulevard, N.E.
Atlanta, Georgia 30312
Program Director: R.E. Delashmutt, MD
Educational Coordinator: M.B. Furr, HT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

ILLINOIS

Holy Cross Hospital
2701 W. 68th St.
Chicago, Illinois 60629
Program Director: A.M. Ring, MD
Educational Coordinator: M. Markulis, MT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul-Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Edgewood College, Madison, Wisc.

Mercy Hospital & Medical Center
Stevenson Expwy. @ King Dr.
Chicago, Illinois 60616
Medical Director: N. Martinez, MD
Educational Coordinator: E.A. Hall
Prereq: 2 yrs Coll **Class Cap.:** 2 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

Mount Sinai Hospital Medical Center
2750 W. 15th Place
Chicago, Illinois 60608
Medical Director: A.I. Rubenstone, MD
Program Director: A. Blum, HT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** $125 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

St. Joseph Hospital
2900 N. Lake Shore Dr.
Chicago, Illinois 60657
Program Director: J.R. Kraft, MD
Educational Coordinator: T. Ryhal, HT(ASCP)
Educational Coordinator: C.E. Miller, MT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

University of Chicago Hospitals & Clinics
950 E. 59th St.
Chicago, Illinois 60637
Program Director: S. Glagov, MD
Educational Coordinator: T.R. Ansman, MS, HT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Memorial Medical Center
First & Miller Sts.
Springfield, Illinois 62705
Medical Director: E. Cheatle, MD
Program Director: G.C. Johnson, MD
Educational Coordinator: G.G. Compton, HT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

St. John's Hospital
800 East Carpenter
Springfield, Illinois 62702
Program Director: V. Lary, MD
Educational Coordinator: P. Garrott, MT(ASCP), M.Ed.
Prereq: H.S. **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $100 yr **Awards:** Cert. **Next Survey:** 1979

IOWA

Mercy Hospital
Sixth & University
Des Moines, Iowa 50314
Medical Director: J. Song, MD
Educational Coordinator: E. Lex, HT(ASCP)
Class Cap.: 2 **Begins:** Sep **Tuition:** None **Awards:** None **$Aid:** Stipend & Scholarship **Next Survey:** 1983

KANSAS

St. Francis Hospital
929 N. St. Francis Ave.-PO Box
Wichita, Kansas 67201
Medical Director: J.J. Lin, MD
Educational Coordinator: L. Jones, HT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

MICHIGAN

Hurley Medical Center
Sixth Ave. & Begole St.
Flint, Michigan 48502
Director: F.V. Hodges, MD
Program Director: M. Stephenson, HT(ASCP)
Prereq: 1 1/2 Coll **Class Cap.:** 2 **Begins:** Jan,Jun Sem **Length:** 6 mos **Tuition:** $16 Mth **Awards:** A.A. Diplo **Next Survey:** 1978
Affiliates: Mott Community College;

William Beaumont Hospital
3601 West Thirteen Mile Rd.
Royal Oak, Michigan 48072
Medical Director: J. Bernstein, MD
Program Director: A.A. Alsaadi, PhD
Educational Coordinator: D. Cummings, MT(ASCP)
Prereq: 3 Yrs Coll **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1981
Affiliates: Oakland University, Rochester;

St. Mary's Hospital
830 S. Jefferson
Saginaw, Michigan 48601
Program Director: R.G. Hines, MD
Educational Coordinator: R. Lier, HT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

MISSOURI

St. Mary's Hospital
101 Memorial Dr.
Kansas City, Missouri 64108
Program Director: T.J. Fritzlen, MD
Educational Coordinator: T.M. Smith, MT(ASCP)
Prereq: H.S. **Class Cap.:** 3 **Begins:** Feb-Jun Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

NEW JERSEY

St. Barnabas Medical Center
Old Short Hills Rd.
Livingston, New Jersey 07039
Medical Director: H.W. Carter, MD
Program Director: J.P. Manning, PhD
Educational Coordinator: C. Ciallella
Prereq: H.S. **Class Cap.:** 2 **Begins:** Jan **Length:** 12 mos **Tuition:** $650 **Awards:** Cert. **Next Survey:** 1982

The Mountainside Hospital
Bay & Highland Aves.
Montclair, New Jersey 07042
Program Director: F.Y. Watson, MD
Educational Coordinator: J. Sanduzzi, MT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

Muhlenberg Hospital
Park Ave. & Randolph Rd.
Plainfield, New Jersey 07061
Medical Director: J.K. Ashton, MD
Program Director: B.H. Hyun, MD
Educational Coordinator: V. Alzheimer, HT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Aug/Feb **Length:** 12 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

NEW YORK

SUNY Agricultural & Technical College
Route 7
Cobleskill, New York 12043
Educational Coordinator: D.A. Marsh
Educational Coordinator: A.M. Behling
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** A.A.S **Next Survey:** 1978

St. Vincent's Hospital & Medical Center of N.Y.
153 W. 11th St.
New York, New York 10011
Program Director: J.F. Gilloolley, MD
Educational Coordinator: Jr. Barrow, HT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Strong Memorial Hospital of the University of Rochester
601 Elmwood Ave.
Rochester, New York 14642
Program Director: E.A. Schenk, MD
Educational Coordinator: C. Churukian, HT(ASCP)
Class Cap.: 5 **Length:** 12 mos
Tuition: None **Awards:** B.S. A.A.
$Aid: Stipend **Next Survey:** 1979

OHIO

The Ohio State University
1583 Perry Street
Columbus, Ohio 43210
Medical Director: D.A. Senhauser, MD
Educational Coordinator: B.B. Hrapchak, MT (ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul
Length: 12 mos **Tuition:** 400 Yr **Awards:** Cert. **Next Survey:** 1982

PENNSYLVANIA

Geisinger Medical Center
North American Avenue
Danville, Pennsylvania 17821
Program Director: J.J. Moran, MD
Educational Coordinator: R.E. Nolan, HT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Sep
Length: 12 mos **Tuition:** $300 **Awards:** Cert. **Next Survey:** 1978

Hospital of the University of Pennsylvania
3400 Spruce St.
Philadelphia, Pennsylvania 19104
Program Director: H.T. Enterline, MD
Educational Coordinator: D.C. Sheehan, HT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 6 **Begins:** Jul
Length: 12 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1978

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Medical Director: G. Hennigar, MD
Program Director: G. Spooner, PhD
Educational Coordinator: U.A. Hasal, HT(ASCP)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 12 mos **Tuition:** $440 Yr Avg **Awards:** Cert. **$Aid:** Scholarship **Length:** 21 mos
Awards: A.H.S **Next Survey:** 1978
Affiliates: Veterans Administration Hospital;

TENNESSEE

The University of Tennessee Center for the Health Sciences
62 South Dunlap
Memphis, Tennessee 38163
Program Director: S.A. Coleman, MD
Educational Coordinator: G.G. Wells, HT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jan-Jul
Length: 12 mos **Tuition:** $84 Qtr **Awards:** A.A.S **Next Survey:** 1978
Affiliates: Shelby State Community College

TEXAS

Baylor University Medical Center
3500 Gaston Ave.
Dallas, Texas 75246
Program Director: W.B. Kingsley, MD
Educational Coordinator: F.L. Carson
Prereq: H.S. **Class Cap.:** 4 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1978

St. Paul Hospital
5909 Harry Hines Blvd.
Dallas, Texas 75235
Program Director: J. Childers, MD
Educational Coordinator: D. Temple, MT(ASCP)
Prereq: H.S. **Class Cap.:** 3 **Begins:** Jan-Jul
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

St. Luke's Episcopal Hospital
6720 Bertner Ave.
Houston, Texas 77030
Medical Director: H.B. Hoeffler, MD
Educational Coordinator: E.S. Sims, HT(ASCP)
Prereq: 30 Cr Hr Coll **Class Cap.:** 6 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

U of TX-School of Allied Hlth Sciences at Houston
PO Box 20036
Houston, Texas 77025
Program Director: F. Becker, MD
Educational Coordinator: H.N. Futch, HT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep
Length: 12 mos **Tuition:** $132 res $1280 non-res **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Bexar County Hospital District
4502 Medical Dr.
San Antonio, Texas 78284
Program Director: F.M. Townsend, MD
Medical Director: J.J. Ghidoni, MD
Educational Coordinator: M.S. Judge, HT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Feb
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Audie Murphy VA Hospital; San Antonio Community Hospital;

WASHINGTON

Sacred Heart Medical Center
101 W. Eighth Ave.
Spokane, Washington 99204
Program Director: J.M. Watanabe, MD
Educational Coordinator: M.A. Aspinwall, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 2 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

WISCONSIN

Madison General Hospital
202 S. Park St.
Madison, Wisconsin 53715
Medical Director: S.C. Shih, MD
Program Director: J.C. Bolles, MD
Educational Coordinator: R. Nawratil, HT, CT(ASCP)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Jul
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

St. Joseph's Hospital
611 St. Joseph's Avenue
Marshfield, Wisconsin 54449
Program Director: C.N. Reyes Jr., MD
Educational Coordinator: V. Narlock, BS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jun
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

Veterans Administration Medical Center
5000 W. National Ave.
Wood, Wisconsin 53193
Medical Director: K. Pintar, MD
Program Director: A.L. Boon
Prereq: H.S. **Class Cap.:** 2 **Begins:** Sep
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Medical Assistant

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Program Director: J.E. Kennon, CMA-A

ARIZONA

The Bryman School
1112 E. McDowell Rd.
Phoenix, Arizona 85006
Medical Director: R.C. Teague, MD
Program Director: J.W. Cox
Prereq: H.S. **Class Cap.:** 480 **Begins:** Varies **Length:** 7 mos **Tuition:** $2200
Awards: Dipl. **$Aid:** Scholarship **Next Survey:** 1983

CALIFORNIA

College of Alameda
555 Atlantic Ave.
Alameda, California 94501
Program Director: B. Kisbey, RN
Prereq: H.S. **Class Cap.:** 70 **Begins:** Sep
Length: 18 mos **Tuition:** $12 Res $17 Non-Res **Awards:** Cert. A.S. **$Aid:** Scholarship
Next Survey: 1979
Affiliates: Highland General Hospital, Oakland; Kaiser Hospitals, Oakland; Private Physicians Offices, Oakland/Alameda;

Southern California College of Medical & Dental Careers
1717 S. Brookhurst
Anaheim, California 92804
Program Director: T.R. Pina, CMA-AC
Medical Director: W. Stafford, MD
Prereq: H.S. **Class Cap.:** 120 **Begins:** Monthly **Length:** 7 mos **Tuition:** $2095
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1980

Orange Coast College
2701 Fairview Rd.
Costa Mesa, California 92626
Medical Director: R.E. Dreibelbis, MD
Program Director: M. Willis, CMA-AC
Prereq: H.S. **Class Cap.:** 72 **Begins:** Sep
Length: 12 mos24 mos **Tuition:** $37 Unit Non-Res **Awards:** Cert. A.A. **Next Survey:** 1984

De Anza College
21250 Stevens Creek Blvd.
Cupertino, California 95014
Program Director: E.F. Hansen
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 22 mos **Tuition:** $140 Qtr Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Palo Alto Medical Clinic; Sunnyvale Medical Clinic; Kaiser Clinic; San Jose Medical Clinic; El Camino Cardiovascular Laboratory; Good Samaritan Hospital; Saratoga-Los Gatos Community Hospital; O'Connor Hospital;

Cypress College
9200 Valley View St.
Cypress, California 90630
Program Director: C.C. McCandless, CMA-AC
Prereq: H.S. **Class Cap.:** 75 **Begins:** Sep **Length:** 12 mos **Tuition:** $48 SemUnit Non-Res **Awards:** Cert. **$Aid:** Scholarship
Prereq: H.S. **Begins:** Sep **Length:** 24 mos **Awards:** A.A. A.S. **$Aid:** Scholarship **Next Survey:** 1984

Lawton School
16542 Ventura Blvd.
Encino, California 91436
Program Director: S. Ball, CMA-C
Prereq: H.S. **Class Cap.:** 216 **Begins:** Varies **Length:** 7 mos **Tuition:** $1250 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Ohlone College
43600 Mission Blvd.
Fremont, California 94537
Program Director: S.A. Brenner, RN,MS,CMA-C
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Kaiser-Permanente Clinics, Hayward;

Long Beach City College
4901 E. Carson St.
Long Beach, California 90808
Program Director: C.W. Misener, CMA-C
Prereq: H.S. **Class Cap.:** 32 **Begins:** Fall **Length:** 12 mos **Tuition:** None Res $910 Non-Res **Awards:** Cert. A.A. A.S. **$Aid:** Scholarship **Next Survey:** 1980

Long Beach College of Medical & Dental Assistants
5350 Atlantic Ave.
Long Beach, California 90805
Program Director: A. Burton, RN
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies **Length:** 8 mos **Tuition:** $1995 **Awards:** Diplom **$Aid:** Stipend **Next Survey:** 1980

The Bryman School
3633 Long Beach Blvd.
Long Beach, California 90807
Program Director: F. McBee, CRT,CMA-C
Medical Director: R. Lugliani, MD
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies Jun-Sep **Length:** 7 mos **Tuition:** $2195 **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1982

Modesto Junior College
435 College Ave.
Modesto, California 95350
Program Director: S. Cook, RN
Educational Coordinator: K.E. Muncill, RN
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981

Pasadena City College
1570 E. Colorado Blvd.
Pasadena, California 91106
Medical Director: V. Halcromb, EdD
Program Director: G. Hulbert, RN, MA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 4 Sem **Tuition:** $46 Per UniNon-Res **Awards:** A.A. **Next Survey:** 1980

Shasta-Tehama-Trinity Joint Community College District
1065 N. Old Oregon Trail
Redding, California 96001
Medical Director: J.M. Reifert, MD
Educational Coordinator: C.L. Smith, RT, CMA,-AC
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 20 mos **Tuition:** $40 Unit Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Mercy Medical Center; Memorial Hospital; Shasta General Hospital;

The Bryman School
3505 N. Hart Ave.
Rosemead, California 91770
Medical Director: W.R. Morgan, MD
Program Director: S. Bagley
Educational Coordinator: B. Allen
Prereq: H.S. **Class Cap.:** 480 **Begins:** Varies **Length:** 7 mos **Tuition:** $2575 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

Cosumnes River College
8401 Center Parkway.
Sacramento, California 95823
Program Director: P.G. Smith, RN, CMA
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980

Western College of Allied Health Careers
4000 El Camino Ave.
Sacramento, California 95821
Program Director: R.F. Annenberg
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies **Length:** 7 mos **Tuition:** $2295 **Awards:** Cert. **$Aid:** Scholarship

United Health Careers Institute
600 N. Sierra Way
San Bernardino, California 92406
Medical Director: A. Hodes, MD
Program Director: B. Grove, CRT-CMA-C
Educational Coordinator: J. Yabu, EdD
Prereq: H.S. **Class Cap.:** 26 **Begins:** Jan-Mar May-Jul Sep **Length:** 9 mos **Tuition:** $2417 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

Pacific College of Medical & Dental Assistants
4411 30th St.
San Diego, California 92116
Program Director: I.D. Schnarr, RN, CMA
Prereq: H.S. **Class Cap.:** 26 **Begins:** Varies **Length:** 7 mos **Tuition:** $2050 Sem **Awards:** Diplom **Next Survey:** 1981

San Diego Mesa College
7250 Mesa College Dr.
San Diego, California 92111
Program Director: Mrs. S. Murdock, RN, MS
Prereq: H.S. **Class Cap.:** 120 **Begins:** Feb-Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A. A.S. **$Aid:** Scholarship **Next Survey:** 1984

City College of San Francisco
50 Phelan Ave.
San Francisco, California 94112
Program Director: D. Bargioni, CMA
Prereq: H.S. **Class Cap.:** 120 **Begins:** Feb-Sep **Length:** 24 mos **Tuition:** $581 Non-Res **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1982

The Bryman School
731 Market St.
San Francisco, California 94103
Program Director: F. Smith
Educational Coordinator: L. Rider
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies **Length:** 7 mos **Tuition:** $2295 **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1982

Andon College
1414 N. Wenchester Blvd.
San Jose, California 95128
Medical Director: D.J. Bogue, MD, PhD, EdD
Educational Coordinator: M. Peirano
Prereq: H.S. **Class Cap.:** 100 **Begins:** Varies **Length:** 7 mos **Tuition:** $2195 **Awards:** Cert. **Next Survey:** 1983

The Bryman School
2015 Naglee Ave.
San Jose, California 95128
Medical Director: M.B. Jorgensen, MD
Director: J.P. Waldon Jr.
Educational Coordinator: R. Chase, CMA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies **Length:** 7 mos **Tuition:** $2200 **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1983

Lawton School for Medical & Dental Assistants
619 W. 17th St.
Santa Ana, California 92706
Program Director: B. Howard
Prereq: H.S. **Class Cap.:** 75 **Begins:** Mthly **Length:** 7 mos **Tuition:** $1800 **Awards:** Cert. **Next Survey:** 1980

West Valley Joint Community College Dist.
14000 Fruitvale Ave.
Saratoga, California 95070
Program Director: P.M. Frederick, CMA-AC
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 18 mos **Tuition:** None **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980

El Camino College
16007 Crenshaw
Torrance, California 90506
Program Director: V. Frenger, CMA-AC, Ped
Prereq: H.S. **Class Cap.:** 108 **Begins:** Feb-Sep **Length:** 24 mos **Tuition:** $46 PerUnit Non-Res **Awards:** A.A. Cert. **$Aid:** Scholarship **Next Survey:** 1983

The Bryman School
4212 W. Artesia Blvd.
Torrance, California 90504
Medical Director: S. Walch, MD
Educational Coordinator: D. Reinhardt
Program Director: D.L. Stephenson
Prereq: H.S. **Class Cap.:** 480 **Begins:** Varies **Length:** 7 mos **Tuition:** $2575 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982

Western College of Medical & Dental Assisting
5434 Van Nuys Blvd.
Van Nuys, California 91401
Program Director: Y. Parker
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies **Length:** 7 mos **Tuition:** $1595 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

COLORADO

Parks College, Inc.
7350 N. Broadway
Denver, Colorado 80221
Program Director: A. Bratton, RN, CMA
Prereq: H.S. **Class Cap.:** 34 **Begins:** Varies **Length:** 12 mos **Tuition:** $2800 **Awards:** Cert. **Next Survey:** 1983

Arapahoe Community College
5900 South Santa Fe
Littleton, Colorado 80120
Program Director: J. Erickson, RN
Prereq: H.S. GED **Class Cap.:** 30 **Begins:** Sep **Length:** 18 mos **Tuition:** $132 Qtr Res$484 Non-Res **Awards:** Cert. A.D. **$Aid:** Scholarship **Next Survey:** 1982

CONNECTICUT

Greater Hartford Community College
61 Woodland Street
Hartford, Connecticut 06105
Medical Director: R.E. Nicholson, MD
Director: F.J. Chiaramonte, (Acting)
Prereq: H.S. **Class Cap.:** 55 **Begins:** Sep/Jan **Length:** 24mos **Tuition:** $400 **Awards:** A.S. **$Aid:** Stipend & Scholarship

FLORIDA

Broward Community College
225 E. Las Olas Blvd.
Fort Lauderdale, Florida 33301
Medical Director: D. Plevy, MD
Program Director: T. Audet, MA, MT(ASCP) CMA-C
Prereq: H.S. **Class Cap.:** 120 **Begins:** Aug-Jan **Length:** 22 mos **Tuition:** $14 SemHr Res $29 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982

Lindsey Hopkins Education Center
1410 Northeast Second Ave.
Miami, Florida 33132
Program Director: H. Brown, RN
Prereq: H.S. **Awards:** Cert.

GEORGIA

Atlanta College of Medical & Dental Assistants
1280 W. Peachtree St., N.W.
Atlanta, Georgia 30309
Program Director: P.Z. Boone, CMA-C, MT(AMT)
Prereq: H.S. **Class Cap.:** 29 **Begins:** Varies **Length:** 9 mos **Tuition:** $2450 **Awards:** Cert. **Next Survey:** 1984

The Bryman School
1789 Peachtree Rd.
Atlanta, Georgia 30309
Medical Director: J. Black, MD
Program Director: J. Knight
Educational Coordinator: M.L. Upshaw
Prereq: H.S. **Class Cap.:** 480 **Begins:** Varies **Length:** 7 mos **Tuition:** $2195 **Awards:** Dipl **$Aid:** Scholarship **Next Survey:** 1979

Augusta Area Technical School
2025 Lumpkin Rd
Augusta, Georgia 30906
Program Director: B. Paxton, RN
Educational Coordinator: D.L. Peterson, RN
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $180 Res $260 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Coosa Valley Area Vocational Technical School
112 Hemlock St.
Rome, Georgia 30161
Program Director: J. Rice, RN.,CMA-C
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $21 qt **Awards:** Cert. **Next Survey:** 1983

HAWAII

Kapiolani Community College
620 Pensacola St.
Honolulu, Hawaii 96814
Program Director: J.M. Morioka, M.ED., RN, CMA-C
Prereq: H.S. **Class Cap.:** 26 **Begins:** Aug **Length:** 22 mos **Tuition:** $40 Res $450 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982

ILLINOIS

Belleville Area College
2500 Carlyle Rd.
Belleville, Illinois 62221
Educational Coordinator: L.A. Reibling, PhD
Program Director: R.M. Hall, RN, CMA A-C
Prereq: H.S. **Class Cap.:** 27 **Begins:** Aug **Length:** 12 mos24 mos **Tuition:** $13 Cr Hr Res $35 Non-Res **Awards:** Cert. A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Robert Morris College
College Avenue
Carthage, Illinois 62321
Program Director: K. Fisch, RN, CMA-C
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep-Jul Feb **Length:** 9 mos **Tuition:** $830 Qtr **Awards:** Cert. A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

William Rainey Harper College
Algonquin & Roselle Rd.
Palatine, Illinois 60067
Program Director: V. Murchison, RN
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug-Dec **Length:** 24 mos **Tuition:** $930/$17 Sem Hr **Awards:** A.A.S **$Aid:** Stipend & Scholarship **Next Survey:** 1981

Triton College
2000 N. Fifth Ave.
River Grove, Illinois 60171
Medical Director: A. Chreptowsky, MD
Program Director: J.A. Miller, CMA-AC
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $13 Sem Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982

INDIANA

Indiana Vocational Technical College-NW Region
1440 East 35th Ave.
Gary, Indiana 46409
Program Director: C.K. Swanson, RN, BA, CMA
Medical Director: J.R. Crise, MD
Educational Coordinator: G. Logan, BS, RN, CMA
Prereq: H.S. GED **Class Cap.:** 20 **Begins:** Sep **Length:** 10 mos3 Qtrs **Tuition:** $774 **Awards:** Cert **$Aid:** Stipend & Scholarship **Next Survey:** 1981

Clark College
1840 N. Meridian St.
Indianapolis, Indiana 46204
Program Director: B. Jones
Prereq: H.S. **Class Cap.:** 15 **Begins:** Apr-Jul Oct-Jan **Length:** 12 mos **Tuition:** $2592 **Awards:** Dipl. **Next Survey:** 1982

Indiana Vocational Technical College
1315 E. Washington St.
Indianapolis, Indiana 46202 462
Program Director: P.M. Bayt, RN, BS
Educational Coordinator: P.M. Bayt, RN, BS
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug,Nov Feb,May **Length:** 18 mos **Tuition:** $250 Qtr Res$250 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Prereq:** H.S. **Class Cap.:** 60 **Begins:** Aug,Feb Nov,May **Length:** 12 mos **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Professional Careers Institute
6321 LaPas Trail
Indianapolis, Indiana 46268
Program Director: L.G. Cravens, CMA-AC
Prereq: H.S. **Class Cap.:** 27 **Begins:** Varies **Length:** 8 mos **Tuition:** $2500 **Awards:** Cert. **Next Survey:** 1983

Indiana Vocational Technical College-Kokomo (Region 05)
1815 East Morgan St.
Kokomo, Indiana 46901
Program Director: C. Kinney
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 9 mos **Tuition:** $150 Qtr Res$250 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Indiana Vocational Technical College
616 Wabash Ave.
Lafayette, Indiana 47905
Director: M. Baker, RN
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 2 mos **Tuition:** $690 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Indiana Vocational Technical College-Southeast
First & Broadway/P.O. Box 434
Madison, Indiana 47250
Program Director: H.B. Smith
Educational Coordinator: E.S. Sanchez
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep,Nov Mar,Jun **Length:** 2 mos **Tuition:** $950 Res $1640 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Indiana Vocational Technical College Region 6
4100 Cowan Rd., Box 3100
Muncie, Indiana 47302
Program Director: A. Dale, RN
Prereq: H.S. GED **Class Cap.:** 40 **Begins:** Sep **Length:** 9 mos **Tuition:** $1147 res $2057 Non-Res **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1981

Indiana Vocational Technical College
8204 Highway 31-W
Sellersburg, Indiana 47172
Program Director: S. McCurdy, RN, CMA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 2 mos **Tuition:** $200 Qtr Res$400 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Indiana Vocational Technical College
1534 W. Sample St.
South Bend, Indiana 46619
Program Director: M. Hoey, RN,BS,MS
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep,Nov Feb,May **Length:** 12 mos **Tuition:** $950 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

Indiana Vocational Technical College
R.R. #22, Box 760
Terre Haute, Indiana 47802
Program Director: J. Roloff, RN
Program Director: B. Fowler, RN
Prereq: H.S. **Class Cap.:** 33 **Begins:** Sep **Length:** 9 mos **Tuition:** $160 Qtr Res$320 Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1984

IOWA

Des Moines Area Community College
2006 S. Ankeny Blvd.
Ankeny, Iowa 50021
Program Director: S. Muehlenthaler, RN
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep-Mar **Length:** 12 mos **Tuition:** $150 Qtr Res$300 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

Kirkwood Community College
6301 Kirkwood Blvd., S.W.
Cedar Rapids, Iowa 52406
Program Director: M.L. Early, RN
Prereq: H.S. **Class Cap.:** 70 **Begins:** Sep-Dec **Length:** 12 mos **Tuition:** $160 res $240 on-res **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Iowa Western Community College
2700 College Rd.
Council Bluffs, Iowa 51501
Educational Coordinator: B. Andrews, CMA-AC
Prereq: H.S. **Class Cap.:** 18 **Begins:** Aug **Length:** 10 mos **Tuition:** $170 Qtr Res$261 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Prereq:** H.S. **Class Cap.:** 18 **Begins:** Aug **Length:** 19 mos **Awards:** A.A. **Next Survey:** 1981

Iowa Central Community College
330 Avenue M
Fort Dodge, Iowa 50501
Program Director: J. Natte, RN, CMA-AC
Medical Director: P. Stitt, MD
Prereq: H.S. **Class Cap.:** 28 **Begins:** Aug **Length:** 11 mos **Tuition:** $220 Sem Res$320 Non-Res **Awards:** Cert. **Next Survey:** 1980

Marshalltown Community College
3700 S. Center St.
Marshalltown, Iowa 50158
Program Director: B.J. Nelson, RN, MS
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 11 mos **Tuition:** $440 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

Southeastern Community College
Drawer F, Hwy. 406
West Burlington, Iowa 52655
Program Director: M. Dickson, RN, CMA-AC
Prereq: H.S. **Class Cap.:** 21 **Begins:** Sep **Length:** 12 mos **Tuition:** $158 Qtr Res$237 Non-Res **Awards:** A.A. A.S. **$Aid:** Scholarship **Next Survey:** 1980

KENTUCKY

Fugazzi Business College
628 E. Main St.
Lexington, Kentucky 40576
Medical Director: J.W. Hammons, MD
Program Director: S. Smith, RN
Prereq: H.S. **Class Cap.:** 24 **Begins:** Qtrly **Length:** 15 mos **Tuition:** $543 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Watterson College
100 High Rise Dr.
Louisville, Kentucky 40213
Medical Director: J.R. Cecil, Jr., MD
Program Director: S. Messenger, RN, CMA-C
Prereq: H.S. **Class Cap.:** 50 **Begins:** Jan-Mar Jul-Sep **Length:** 12 mos **Tuition:** $2592 **Awards:** Cert. **Next Survey:** 1984

Morehead State University
University Boulevard
Morehead, Kentucky 40351
Program Director: J.R. Kelly, RN, MA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Fall **Length:** 24 mos **Tuition:** $240 Res $475 Non-Res **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

Eastern Kentucky University
Richmond, Kentucky 40475
Program Director: M. Thurman, MS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep-Aug Jan **Length:** 24 mos **Tuition:** $250 Sem Res$635 Non-Res **Awards:** A.S **$Aid:** Scholarship **Next Survey:** 1984

MAINE

Westbrook College
716 Stevens Ave.
Portland, Maine 04103
Educational Coordinator: R.F. Bond
Program Director: J.H. Lancaster, CMA-A
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** $4760 Res $3090 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983

MARYLAND

Montgomery College
Fenton & Takoma Aves.
Takoma Park, Maryland 20012
Program Director: A.M. Williams
Prereq: H.S. **Class Cap.:** 75 **Begins:** Sep-Jan **Length:** 24 mos **Tuition:** $300 Res **Awards:** A.A. **$Aid:** Stipend & Scholarship
Prereq: H.S. **Class Cap.:** 75 **Begins:** Jan-Sep **Length:** 10 mos **Tuition:** $800 Non-Res **Awards:** Cert **$Aid:** Stipend & Scholarship **Next Survey:** 1980

The Medix School
21 West Rd.
Towson, Maryland 21204
Program Director: K. Lane, CMA-AC
Medical Director: G.E. LaRocco, MD
Prereq: H.S. **Class Cap.:** 18 **Begins:** Qtrly **Length:** 7 mos **Tuition:** $2395 **Awards:** Cert. **Next Survey:** 1980

MASSACHUSETTS

Fisher Junior College
118 Beacon St.
Boston, Massachusetts 02116
Medical Director: Dr. P. Cohn
Program Director: L. Cohen
Educational Coordinator: Dr. R.J. Hinkle
Prereq: H.S. **Class Cap.:** 125 **Begins:** Sep **Length:** 18 mos **Tuition:** $2750 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980

Bay Path Junior College
588 Longmeadow St.
Longmeadow, Massachusetts 01106
Medical Director: Dr. F. Navazio
Director: V.J. Milani, MD
Prereq: H.S. **Class Cap.:** 75 **Begins:** Sep **Length:** 24 mos **Tuition:** $4650 incl room & board **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

Aquinas Junior College
303 Adams St.
Milton, Massachusetts 02186 021
Program Director: Mrs. M. Newman
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $1600 Yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982

Mount Ida Junior College
777 Dedham St.
Newton Centre, Massachusetts 02159
Program Director: J. Budreika, MT(ASCP), MS, CMA
Director: F. Janson, MS
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep **Length:** 24 mos **Tuition:** $4300 **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

Springfield Technical Community College
1 Armory Square
Springfield, Massachusetts 01105
Program Director: M.E. Harbeck, RN, MEd
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 18 mos **Tuition:** $150 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983

Becker Junior College
61 Sever St.
Worcester, Massachusetts 01609
Educational Coordinator: D.M. Barbato
Prereq: H.S. **Class Cap.:** 100 **Begins:** Jan-Sep **Length:** 24 mos **Tuition:** $3600 2-Yrs **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

MICHIGAN

Carnegie Institute of Detroit
200 Park Avenue Bldg.
Detroit, Michigan 48226
Program Director: J.F. McEachern, MS, MT, CMA-C
Prereq: H.S. **Class Cap.:** 200 **Begins:** Qtrly **Length:** 12 mos **Tuition:** $522 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

Baker Junior College of Business
1110 Eldon Baker Dr.
Flint, Michigan 48507
Program Director: V.E. Decker, LPN, CMA-AC, Ped
Educational Coordinator: E.J. Kurtz
Prereq: H.S. **Class Cap.:** 100 **Begins:** Sep-Dec Mar-Jun **Length:** 24 mos **Tuition:** $460 Qtr **Awards:** A.B. **$Aid:** Scholarship **Next Survey:** 1984

Charles Stewart Mott Community College
1401 East Court St.
Flint, Michigan 48503
Program Director: N. Webb
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $882 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Length:** 24 mos **Tuition:** $1296 **Awards:** A.A.S. **Next Survey:** 1982

Kalamazoo Valley Community College
6767 West O Ave.
Kalamazoo, Michigan 49009
Program Director: C.N. Campsmith, CMA-AC, MA
Prereq: H.S. **Class Cap.:** 80 **Begins:** Sep-Aug **Length:** 24 mos **Tuition:** $15 Cr Hr Res $30 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

MINNESOTA

Anoka-Hennepin Area Vocational-Technical Institute
Box 191
Anoka, Minnesota 55303
Educational Coordinator: N.F. Delton
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 9 mos **Tuition:** $370 Yr **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1980

Normandale Community College
9700 France Ave., South
Bloomington, Minnesota 55431
Program Director: K. Hagerman
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** $180 Qtr Res$360 Non Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1982

Lakeland Medical-Dental Academy
1402 W. Lake St.
Minneapolis, Minnesota 55408
Program Director: J. Moffatt, CMA-AC
Prereq: H.S. **Class Cap.:** 160 **Begins:** Jan-Jul Sep-Mar **Length:** 8 mos **Tuition:** $2815 **Awards:** Cert. **Next Survey:** 1983

Medical Institute of Minnesota
2309 Nicollet Ave.
Minneapolis, Minnesota 55404
Medical Director: L.J. Hoilund, MD
Program Director: J. Pinger, RN
Prereq: H.S. **Class Cap.:** 75 **Begins:** Jul-Oct **Length:** 12 mos **Tuition:** $750 Qtr **Awards:** A.A. Cert. **Next Survey:** 1983

916 Area Vo-Tech Institute
3300 Century Ave. N.
White Bear Lake, Minnesota 55110
Program Director: G. Riedell, RN
Educational Coordinator: M. Yucel, RN, MEd
Prereq: H.S. **Class Cap.:** 40 **Begins:** Open **Length:** 14-16 mos **Tuition:** $2/day **Awards:** Cert. **Next Survey:** 1980

MISSISSIPPI

Northeast Mississippi Junior College
Cunningham Blvd.
Booneville, Mississippi 38829
Program Director: B. Williams, CMA-AC
Prereq: H.S. **Class Cap.:** 40 **Begins:** Varies **Length:** 24 mos **Tuition:** $145 Sem **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1983

MISSOURI

Kansas City College of Medical and Dental Assistants
2928 Main St.
Kansas City, Missouri 64108
Program Director: L. Traugott
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan-Apr Jul-Oct **Length:** 7 mos **Tuition:** $1970 **Awards:** Dipl. **Next Survay:** 1980

St. Louis Community College at Forest Park
5600 Oakland Ave.
St. Louis, Missouri 63110
Program Director: M.G. Austrin, RN
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug **Length:** 9 mos **Tuition:** $255 Sem Res$918 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

NEBRASKA

Southeast Community College
1801 S. 40
Lincoln, Nebraska 68506
Medical Director: R.L. Haag, MD
Educational Coordinator: N. Harr
Prereq: H.S. **Class Cap.:** 18 **Begins:** Apr-Oct **Length:** 10 mos **Tuition:** $118 Qtr **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1983

Omaha College of Health Careers
1052 Park Ave.
Omaha, Nebraska 68105
Program Director: D.M. Milkowski
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jan-Apr Jul-Oct **Length:** 8 mos **Tuition:** $2025 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

NEW JERSEY

The Bryman School
Branco Estates Route 18
East Brunswick, New Jersey 08816
Program Director: P. Fitzgerald, CMA, RN
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies **Length:** 7 mos **Tuition:** $2530 **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1983

Bergen Community College
400 Paramus Rd.
Paramus, New Jersey 07652
Program Director: J.E. Clement, CMA-AC
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1983

Union County Technical Institute
1776 Raritan Rd.
Scotch Plains, New Jersey 07076
Program Director: M.E. Gleason, RN
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep-Jan **Length:** 12 mos **Tuition:** $200 Res $400 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

Camden City Vocational Technical School
Box 566 Berlin-Cross Keys Road
Sicklerville, New Jersey 08081
Program Director: C.C. Sheppard, CMA-C
Prereq: H.S. **Tuition:** None **Awards:** Cert.

NEW YORK

Broome Community College
P. O. Box 1017.
Binghamton, New York 13902
Program Director: M.E. Schum, MA
Prereq: H.S. **Class Cap.:** 64 **Begins:** Aug **Length:** 21 mos **Tuition:** $350 Sem Res$700 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

Dutchess Community College
Pendell Rd.
Poughkeepsie, New York 12601
Program Director: M.F. Bodanza, RN, CMA-C
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep-Jan **Length:** 24 mos **Tuition:** $300 Sem Res$488 Non-Res **Awards:** A.A.S. **Next Survey:** 1980

NORTH CAROLINA

Central Piedmont Community College
P.O. Box 4009
Charlotte, North Carolina 28204
Program Director: J.L. Carriker
Prereq: H.S. **Class Cap.:** 30 **Begins:** Varies **Length:** 12 mos **Tuition:** $160 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982

Western Piedmont Community College
Morganton, North Carolina 28655
Program Director: M.J. Simmons, CMA-C
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 **Awards:** A.A.S. **Next Survey:** 1983

OHIO

Cuyahoga Community College
700 Carnegie Avenue
Cleveland, Ohio 44115
Medical Director: D. Klein, MD
Program Director: H. Jefferson, MEd, CMA-C
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 21 mos **Tuition:** $150 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

Kettering College of Medical Arts
3535 Southern Blvd.
Kettering, Ohio 45429
Program Director: B.S. Brendel, RN, MEd
Educational Coordinator: W. Beaver, PhD
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep **Length:** 23 mos **Tuition:** $50 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1984

Hocking Technical College
Route 1
Nelsonville, Ohio 45764
Program Director: K. Bonewit, CMA-C
Prereq: H.S. **Class Cap.:** 65 **Begins:** Sep **Length:** 24 mos **Tuition:** $900 **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1982

Jefferson Technical College
4000 Sunset Boulevard
Steubenville, Ohio 43952
Program Director: S.S. Brown, RN, BSN
Medical Director: J.L. Mantica, MD
Educational Coordinator: D.J. Smith, RN, CMA-C
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 18 mos **Tuition:** $100 Qtr Res$190 Non-Res **Awards:** A.A.S. **Next Survey:** 1980

University of Toledo Community & Technical College
2801 W. Bancroft St.
Toledo, Ohio 43606
Program Director: B. Gylys
Prereq: H.S. **Class Cap.:** 200 **Begins:** Jun-Jan Apr-Sep **Length:** 18 mos **Tuition:** $1595 Yr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1982

OREGON

Portland Community College
12000 S. W. 49th Ave.
Portland, Oregon 97219
Program Director: B.R. Hooten, RRA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep-Jan **Length:** 24 mos **Tuition:** $122 Res $38 Hr Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

Portland Paramedical Center
520 S. W. Hall St.
Portland, Oregon 97201
Program Director: J.H. Engel
Educational Coordinator: P. Vidic
Prereq: H.S. **Class Cap.:** 20 **Begins:** Varies **Length:** 7 mos **Tuition:** $2195 **Awards:** Cert. **Next Survey:** 1981

Chemeketa Community College
4000 Lancaster Dr., NE-P O Box
Salem, Oregon 97309
Program Director: E. Bode, RN
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 10 mos **Tuition:** $310 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

PENNSYLVANIA

Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, Pennsylvania 15212
Program Director: T.B. Barbary, CMA-AC
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep,Jan **Length:** 24 mos **Tuition:** $225 res $450 non res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981

Median School
12 Eighth St.
Pittsburgh, Pennsylvania 15222
Program Director: D.J. Stimel
Medical Director: Dr. J. Day
Prereq: H.S. **Class Cap.:** 125 **Begins:** Jan-Apr Jul-Oct **Length:** 10 mos **Tuition:** $2695 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

Central Pennsylvania Business School
Campus on College Hill
Summerdale, Pennsylvania 17093
Program Director: H.B. Magee, RN, CMA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Feb-Jun Sep **Length:** 20 mos **Tuition:** $3200 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982

SOUTH CAROLINA

Tri-County Technical College
P.O. Box 587
Pendleton, South Carolina 29670
Medical Director: J.K. Holcombe, MD
Program Director: A.L. McPeak
Prereq: H.S. **Class Cap.:** 65 **Begins:** Sep **Length:** 18 mos **Tuition:** $571 **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

TEXAS

El Centro College
Main & Lamar
Dallas, Texas 75202
Program Director: J.M. Coleman, CMA-AC
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $94 Res $650 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1982

San Antonio College
1300 San Pedro Ave.
San Antonio, Texas 78284
Program Director: A. Carson, RN
Prereq: H.S. **Class Cap.:** 72 **Begins:** Sep **Length:** 18 mos **Tuition:** $160 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980

UTAH

The Bryman School
445 South 300 East
Salt Lake City, Utah 84111
Program Director: K. Dixon
Medical Director: T. Jeppesen, MD
Educational Coordinator: E. J. Cuklanz
Prereq: H.S. **Class Cap.:** 480 **Begins:** Mthly **Length:** 7 mos **Tuition:** $2345 **Awards:** Cert. **Next Survey:** 1984

VERMONT

Green Mountain College
16 College St.
Poultney, Vermont 05764
Educational Coordinator: R.D. Gamble, PhD
Medical Director: E.C. Stannard, MD
Program Director: B. Mitiguy, CMA-AC
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** $3400 Yr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1984

WASHINGTON

Edmonds Community College
20000 68th Ave., W.
Lynnwood, Washington 98036
Program Director: J. Himle, RN, CMA-AC
Prereq: H.S. GED **Class Cap.:** 40 **Begins:** Sep **Length:** 9 mos **Tuition:** $102 Res $306 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Olympia Technical Community College
20000 68th Ave. West
Olympia, Washington 980
Program Director: M. Halsan, RN, CMA

North Seattle Community College
Seattle, Washington 98103
Program Director: I.B. Budd, MT(ASCP)
Prereq: H.S. **Class Cap.:** 35 **Begins:** Jan-Sep **Length:** 24 mos **Tuition:** $96 Qtr Res$387 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1983

Kinman Business University
N. 214 Wall St. Bon Marche Bld
Spokane, Washington 92201
Program Director: C.A. Beckner, CMA
Prereq: H.S. **Class Cap.:** 55 **Begins:** Jan-Feb Apr-May **Length:** 9 mos **Tuition:** $2695 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984

WISCONSIN

Lakeshore Technical Institute
1290 North Ave.
Cleveland, Wisconsin 53015
Program Director: L. Heronemus
Educational Coordinator: G.J. Gruber
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug-Oct Jan-Mar **Length:** 10 mos **Tuition:** $304 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

Northeast Wisconsin Technical Institute
2740 West Mason St.
Greenbay, Wisconsin 54303
Program Director: B.J. LaMarche, RN
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep **Length:** 2 sem **Tuition:** $350 Res $2100 Sem Non-Res **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1980

Western Wisconsin Technical Institute
Sixth & Vine Sts.
La Crosse, Wisconsin 54601
Program Director: W. Hanson
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep **Length:** 9 mos **Tuition:** $301 Res **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1980

Milwaukee Area Technical College
1015 North 6th Street
Milwaukee, Wisconsin 53203
Medical Director: J. D. Hurley, MD
Program Director: H. E. Katz, RN, CMA
Educational Coordinator: H. E. Katz, RN, CMA
Prereq: H.S. **Class Cap.:** 60 **Begins:** Jan/Aug **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Indianhead Technical Institute
1019 South Knowles Ave.
New Richmond, Wisconsin 54017
Medical Director: W. Young, MD
Program Director: L. Waschke
Educational Coordinator: M. McCarty
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep-Jan **Length:** 9 mos **Tuition:** $364 **Awards:** Diplom **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Waukesha County Technical Institute
800 Main Street
Pewaukee, Wisconsin 53072
Program Director: K.E. Lawlor, RN, MS
Prereq: H.S. **Class Cap.:** 27 **Begins:** Aug **Length:** 9 mos **Tuition:** $357 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Medical Assistant in Pediatrics

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

GEORGIA

Georgia State University
University Plaza
Atlanta, Georgia 30303
Medical Director: P. Gold, MD
Program Director: P.B. Wutka, MN
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 21 mos **Tuition:** $190 Qtr Res$565 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Bond Child Development Center, Inc.; Central Presbyterian Baby Clinic; 24 Private Pediatric Officees;

Medical Laboratory Technician (*Associate Degree*)

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

Jefferson State Junior College
2601 Carson Rd.
Birmingham, Alabama 35215
Program Director: T.F. Wilkes, MT(ASCP)
Educational Coordinator: M. Butler, MT(ASCP)
Educational Coordinator: M. Collett, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep-Mar **Length:** 18 mos **Tuition:** $80 **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: East End Mem Hosp; Baptist Med Ctr-Montclair; Children's Hosp; Cooper Green Hosp; South Highland's Hosp;

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Medical Director: C.W. Cole, MD
Program Director: P.A. Amos, MT(ASCP)
Educational Coordinator: G.A. Woodson, MT(ASCP)
Prereq: 1 Yr Coll **Class Cap.:** 30 **Length:** 12 mos **Tuition:** $80 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Jackson Hosp, Montgomery; Noble Army Hosp, Ft. McClellan; Burdick-West Mem Hosp, Haleyville; Carroway Methodist Med Ctr; U of AL Hosp's; VA Hosp; Bessemer-Carraway Hosp; Coffee Gen Hosp, Enterprise; Decatur Gen Hosp; Edge Mem Hosp, Troy; McMillan Hosp, Brewton; NE Ala Reg Med Ctr, Anniston; Parkway Med Ctr, Decatur; Russell Hosp, Alex City; Selma Med Ctr; Sylacauga Hosp, Sylacauga; Stringfellow Mem Hosp, Anniston; US Army Hosp, Redstone Arsenal;

Wallace State Community College
P.O. Box 250
Hanceville, Alabama 35077
Program Director: G.J. Thomason, MT(ASCP)
Educational Coordinator: M. Slatsky, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Mar,Sep **Length:** 24 mos **Tuition:** $300 **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1978

ARIZONA

Phoenix College
1202 W. Thomas Rd.
Phoenix, Arizona 85013
Program Director: M.F. Briden, (ASCP)
Class Cap.: 40 **Tuition:** None **Next Survey:** 1983

COLORADO

Arapahoe Community College
5900 South Santa Fe
Littleton, Colorado 80120
Program Director: R.C. Schulz, MT(ASCP)
Medical Director: J. Truell, MD
Medical Director: H. Toll, MD
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 21 mos **Tuition:** $132 Qtr Res$484 Non-Res **Awards:** A.D. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Swedish Med Ctr, Englewood; Fitzsimmons Army Med Ctr, Aurora; Boulder Comm Hosp; Valleyview Hosp, Thornton; Denver Clinic, Denver; Colo. Pathologist's Regional Lab, Porter Mem Hosp, Denver;

CONNECTICUT

Housatonic Community College
510 Barnum Ave.
Bridgeport, Connecticut 06608
Medical Director: L. Kaplow, MD
Educational Coordinator: P.J. Meczykowski, MT (ASCP)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $9 Hr Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Griffin Hospital, Derby; Milford Hospital, Milford; Veterans Administration Hospital, West Haven

DELAWARE

Delaware Technical and Community College
PO Box 610
Georgetown, Delaware 19947
Medical Director: O. Pollak, MD
Educational Coordinator: R.B. Arndt, MT(ASCP)
Program Director: S.W. Taylor
Prereq: H.S. **Class Cap.:** 23 **Begins:** Sep **Length:** 24 mos **Tuition:** $173 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Naticoke Mem Hosp.; Beebe Hosp.; Milford Mem Hosp.; Hartford Cty Hosp; Riverside Hosp; Dorchester Gen Hosp;

FLORIDA

Brevard Community College
1519 Clearlake Rd.
Cocoa, Florida 32922
Program Director: C.B. Linton, EdD
Educational Coordinator: I. Coffin-Edwards
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug **Length:** 20 mos **Tuition:** $494 Yr **Awards:** A.S. **Next Survey:** 1978
Affiliates: Holmes Regional Medical Center, Melbourne;

Broward Community College
225 E. Las Olas Blvd.
Fort Lauderdale, Florida 33301
Medical Director: R.S. Jones, MD
Program Director: B.L. Kremp, MT(ASCP)
Prereq: CLA **Class Cap.:** 20 **Begins:** Aug-Jan **Length:** 12 mos **Tuition:** $14 Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Sheridan Vocational Center, Hollywood;

Florida Junior College
4501 Capper Rd.
Jacksonville, Florida 32218
Medical Director: D.B. Frazier, MD
Program Director: L.A. Wiesenfeld, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Varies **Length:** 24 mos **Tuition:** $12 Cr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Memorial Hosp.; Riverside Hosp.; St. Luke's Hospital; U.S. Naval Air Station

Miami-Dade Community College
11011 S.W. 104th St.
Miami Beach, Florida 33176
Program Director: D. Toback, M.Ed.
Prereq: H.S. **Class Cap.:** 44 **Begins:** Aug **Length:** 20 mos **Tuition:** $14 Cr Hr **Awards:** A.S. **Next Survey:** 1982

GEORGIA

Albany Junior College
2400 Gillionville Rd.
Albany, Georgia 31707
Medical Director: F. Isele, MD
Program Director: S.B. Chance
Educational Coordinator: S.B. Chance
Class Cap.: 20 **Tuition:** None **Awards:** None

De Kalb Community College
955 N. Indian Creek Dr.
Clarkston, Georgia 30021
Program Director: B.L. Mellinger
Educational Coordinator: R.W. Hoffman, MT(ASCP)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Grady Mem Hosp, Piedmont Hosp, Northside Hosp, Atlanta; Dekalb Gen Hosp, VA Hosp, Decatur; Cobb Gen Hosp, Austell;

Dalton Junior College
P.O. Box 2168
Dalton, Georgia 30720
Medical Director: B.A. Elrod, MD
Program Director: M.Pennington, PhD
Educational Coordinator: D. Shoemaker, MT(ASCP)
Educational Coordinator: C. Jensen, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Qtrly **Length:** 24 mos **Tuition:** $116 Qtr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Hamilton Memorial Hosp; J.L. Hutcheson Memorial Tri-County Hosp, Ft. Oglethrope;

ILLINOIS

Belleville Area College
2500 Carlyle Rd.
Belleville, Illinois 62221
Program Director: L.A. Reibling, PhD
Educational Coordinator: W.E. Meekins, MT(ASCP)
Medical Director: G. Sierra, MD
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug **Length:** 24 mos **Tuition:** $13 Cr Hr Res $35 Non-Res **Awards:** A.D. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Mem Hosp; Centreville Township Hosp; St. Elizabeth Hosp; St Clement's Hosp; St. Joseph's Hosp; USAF Med Ctr, Scott AFB;

Sauk Valley College
R. #1
Dixon, Illinois 61021
Medical Director: M.L. Perou, MD
Program Director: H.M. Nelson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug-Jan **Length:** 24 mos **Tuition:** None **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Comm gen Hosp, Sterling; K. Shaw Bethea Hosp; Ill Val Comm Hosp, Peru; St. Joseph Mercy Hosp, Clinton;

Illinois Central College
Health-Math-Science Division
East Peoria, Illinois 61635
Program Director: D.E. Clingenpeel, MS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug **Length:** 24 mos **Tuition:** $12 Cr Hr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Francis Hospital; Methodist Hospital; Pekin Memorial Hospital; Proctor Community Hospital;

Lewis & Clark Community College
Godfrey, Illinois 62035
Medical Director: P. Stromsdorfer, MD
Medical Director: H.Halley, MD
Educational Coordinator: L.D. Hostetler, MT(ASCP)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug **Length:** 24 mos **Tuition:** $12 Cr Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Joseph's Hosp; St. Anthony's Hosp; Alton Memorial Hosp; Wood River Township Hosp; SIU Dent Patho Lab;

College of Lake County
19351 W. Washington St.
Grayslake, Illinois 60030
Program Director: Sr. E. Gremminger, MT(ASCP)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Aug **Length:** 24 mos **Tuition:** $15 Hr **Awards:** A.A.S **Next Survey:** 1983
Affiliates: Amer Internat'l Hosp, Zion; Condell Mem Hosp, Libertyville; Great Lakes Naval Hosp, G.L.; VA Hosp, N. Chgo;

Oakton Community College
7900 N. Nagle
Morton Grove, Illinois 60053
Medical Director: J. Gruhn, MD
Medical Director: E.E. Suckow
Program Director: E. Jastrzebski, MT (ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** A.A. **Next Survey:** 1981
Affiliates: Lutheran Gen Hosp; Skokie Val Comm Hosp; Holy Fam Hosp; Resurrection Hosp, Bethesda Hosp, Forkosh Mem Hosp, Belmont Hosp, Thorek Med Ctr, Ravenswood Hosp, Edgewater Hosp, Chicago;

Moraine Valley Community College
10900 S. 88 Ave.
Palos Hills, Illinois 60465
Educational Coordinator: M.A. Fiedler, MT (ASCP)
Medical Director: I. Oppenheim, MD
Prereq: H.S. **Class Cap.:** 40 **Begins:** Aug **Length:** 24 mos **Tuition:** $12 Hr Res $50 Non Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Beverly Blood Ctr, Central Comm Hosp, Chgo Osteopathic Hosp, Chgo; Comm Mem Gen Hosp, LaGrange; Little Co. of Mary Hosp, Evergreen Pk; Palos Comm Hosp, Palos Hts; Oak Forest Hosp, O.F.; South Sub Hosp, Hazel Crest;

INDIANA

Indiana University, Northwest Campus
3400 N. Broadway
Gary, Indiana 46308
Medical Director: R.J. Frost, MD
Program Director: D.R. Dehmel, MT(ASCP)
Prereq: H.S. HS Chem **Class Cap.:** 35 **Begins:** Aug **Length:** 30 mos **Tuition:** $23 **Awards:** Cert. A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Anthony Hosp., Mi. City; Porter Mem Hosp, Valparaiso; Comm Hosp, Munster; Mem Hosp, N. Ind Med Lab Serv Inc, Mi.C.; St. Margaret Hosp, Hammond; Methodist Hosp of Gary, Inc;

Indiana Vocational Technical College
1315 E. Washington St.
Indianapolis, Indiana 46202 462
Program Director: J.D. Sumners, MT(ASCP)
Medical Director: L.J. Mcarthy, MD
Educational Coordinator: J. Gahimer, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 21 mos **Tuition:** $200 Qtr Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Johnson Cty Mem Hosp, Franklin; Wishard Mem Hosp; Central Ind Regional Blood Ctr;

IOWA

Des Moines Area Community College
2006 S. Ankeny Blvd.
Ankeny, Iowa 50021
Program Director: C. Bennett
Educational Coordinator: M. Rowe, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep-Mar Spring **Length:** 24 mos **Tuition:** $150 **Awards:** [illegible].A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Iowa Lutheran Hosp.; VA Hosp.; Mary Greely Hosp.; Iowa Methodist Hosp.; Broadlawns Polk County Hosp;

KENTUCKY

Midway College
Midway, Kentucky 40347
Medical Director: J. McManis, MD
Program Director: G. Wells
Educational Coordinator: M. Towles
Class Cap.: 18 **Tuition:** None **Awards:** None **Next Survey:** 1983

MAINE

University of Maine
University Heights
Augusta, Maine 04330
Medical Director: J.C. Hayes, MD
Medical Director: R. Wakefield, MD
Program Director: N.L. Brown, M.Ed., MT(ASCP)
Educational Coordinator: E.M. Webb, M.Ed., MT(ASCP)
Educational Coordinator: M. Branagan, MT(ASCP)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $770Yr **Awards:** A.D. **Next Survey:** 1982
Affiliates: Augusta General Hospital; St. Mary's General Hospital, Lewiston;

MARYLAND

Columbia Union College
7600 Flower Ave.
Takoma Park, Maryland 20012
Program Director: D. Steinert, MT(ASCP)
Class Cap.: 15 **Tuition:** None **Awards:** None **Next Survey:** 1983

Montgomery College
Fenton & Takoma Aves.
Takoma Park, Maryland 20012
Program Director: F.O. Pelton, MT(ASCP)
Medical Director: V. Martens, MD
Prereq: H.S. **Class Cap.:** 33 **Begins:** Sep-Jan **Length:** 24 mos **Tuition:** $300 Sem Res$800 Non Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Columbia Hosp, for Women, WA.D.C; Holy Cross Hosp, Silver Springs; Montgomery Gen Hosp, Olney; Sub Hosp, Bethesda; Washington Hosp Ctr, D.C.

Chesapeake College, W.
Wye Mills, Maryland 21679
Program Director: E.C.H. Schmidt,PhD, MD
Educational Coordinator: J.S. Messick, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jan-Sep **Length:** 24 mos **Tuition:** $400 Yr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Kent-Queen-Anne's Hosp.; Dorchester General Hosp., Cambridge; Memorial Hosp., Easton

MASSACHUSETTS

North Shore Community College
3 Essex Sreet
Beverly, Massachusetts 01915
Program Director: K.F. Levinson
Educational Coordinator: P.Sanderson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** $150 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Beverly Hospital

Springfield Technical Community College
1 Armory Square
Springfield, Massachusetts 01105
Director: Sr. M.C. Griffin, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983

MICHIGAN

Lake Michigan College
2755 E. Napier Ave.
Benton Harbor, Michigan 49022
Program Director: D. Leader, PhD
Medical Director: J.D. McWhirter, MD
Educational Coordinator: B. Rittmeyer, MT (ASCP)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $14 Hr Res $20 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Mercy Hospital; Memorial Hospital, St. Joseph;

Ferris State College
Big Rapids, Michigan 49307
Medical Director: N. Welch, MD
Program Director: S.L. Zablotney, PhD, AB, MT(AS
Educational Coordinator: J. Landis, AB,MT(ASCP)
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 7 qtrs **Tuition:** $268 qtRes $633 qtNon Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Carson City Hospital, Carson City; E.L. Bixby Hospital, Adrian; Grand Rapids Osteopathic Hospital, G.P.; Mercy Hospital, Cadillac; Gratiot Hospital, Alma; Saginaw Osteopathic Hospital, Saginaw;

Macomb County Community College - Center Campus
16500 Hall Rd.
Mt. Clemens, Michigan 48043
Medical Director: A. Lupovitch, MD
Program Director: S.A. Petros, PhD
Educational Coordinator: C. Zawacki, MT(ASCP)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $15 Cr Hr Res $27 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Holy Cross Hosp, Det; Mt. Clemens Gen Hosp, St. Joseph Hosp, Mt. Clem; Bi-Cty Hosp, Warren; Bon Secours Hosp, Grosse Pointe; South Macomb Hosp, Warren;

MINNESOTA

St. Mary's Junior College
2500 S. Sixth St.
Minneapolis, Minnesota 55454
Program Director: J.C. Sorenson
Prereq: H.S. **Class Cap.:** 36 **Begins:** Jun **Length:** 18 mos **Tuition:** $696 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Mary's Hospital;

MISSISSIPPI

Mississippi Gulf Coast Junior College
P.O. Box 100
Gautier, Mississippi 39553
Medical Director: H. Conti, MD
Educational Coordinator: S.A. Whitmore, MT(ASCP)
Class Cap.: 16 **Begins:** Sep **Tuition:** $149 sm **Awards:** A.A.S **Next Survey:** 1983

Hinds Junior College
Raymond Campus
Raymond, Mississippi 39154
Medical Director: L. Scanlon, MD
Medical Director: W.P. Featherston, MD
Director: M. Mansell, MT(ASCP)
Program Director: M. Mansell, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Length:** 24 mos **Tuition:** $140 Sem **Awards:** A.A. **Next Survey:** 1981
Affiliates: VA Hospital, Doctor's-Women's Hospital, Jackson; Vicksburg Hospital, Mercy Hospital, Vicksburg;

MISSOURI

Central Methodist College
Brannock Hall
Fayette, Missouri 65248
Program Director: N.E. Olson, MS, MT(ASCP)
Educational Coordinator: S. Phillips, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug **Length:** 24 mos **Tuition:** $2350 Yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Pathology Laboratories, Inc. Columbia; Memorial Community Hospital, Jefferson City; Cooper County Hospital, Boonville;

St. Louis Community College at Forest Park
5600 Oakland Ave.
St. Louis, Missouri 63110
Medical Director: H. Allen, MD
Program Director: M.A. Honti, MT(ASCP)
Prereq: H.S. **Class Cap.:** 35 **Begins:** Aug **Length:** 24 mos **Tuition:** $17 Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Lutheran Med Ctr; VA Hosp; Normandy Osteo Hosp, N & S; Christian Hosp, NE & NW; St. Anthony's Med Ctr; Deaconess Hosp; St. Louis Children's Hosp; H.G. Phillips Hosp; Snodgras Labs; Faith West Hosp; Smith-Kline Clinical Labs of St.L; St. Joseph's Hosp of St. Charles; Central Medical Center;

NEW HAMPSHIRE

Rivier College
Nashua, New Hampshire 03060
Medical Director: B.C. Dufour
Educational Coordinator: W.C. Goulder, MT(ASCP)
Class Cap.: 20 **Tuition:** None **Awards:** None **Next Survey:** 1983

NEW JERSEY

Brookdale Community College
765 Newman Springs Rd.
Lincroft, New Jersey 07738
Medical Director: N. Damien, MD
Program Director: A.L. Bryant, MT(ASCP)MS
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $15 Hr **Awards:** A.A. **Next Survey:** 1978
Affiliates: P. Kimball Hosp, Lakewood; Freehold Area Hosp; Riverview Hosp, Red Bank; Pt. Pleasant Hosp; Bayshore Comm Hosp, Holmdel; Patterson Army Hosp, Eatontown;

Atlantic Community College
Black Horse Pike
Mays Landing, New Jersey 08330
Program Director: J. Jaloway, MS
Educational Coordinator: M. Rossiter, MT(ASCP)
Educational Coordinator: E. Steelman, MT(ASCP)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep-Jan **Length:** 24 mos **Tuition:** $235 Sem **Awards:** A.D. **Next Survey:** 1978
Affiliates: Shore Memorial Hospital; Atlantic City Medical Center

Bergen Community College
400 Paramus Rd.
Paramus, New Jersey 07652
Medical Director: R. Robinson, MD
Program Director: J.F. Lo Russo, MA, MT(ASCP)
Educational Coordinator: J.F. LaRusso, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sept **Length:** 24 mos **Tuition:** $500 **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Hackensack Hosp, Hackensack; Holy Name Hosp, Teaneck; Pascack Valley Hosp, Westwood; Beth Isreal Hosp, Passaic;

Union County Technical Institute
1776 Raritan Rd.
Scotch Plains, New Jersey 07076
Medical Director: J. Greeley, MD
Program Director: V. VanDuyne, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 19 mos **Tuition:** $400 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Elizabeth General Hospital, Alexian Brothers Hospital, Elizabeth;

NEW YORK

SUNY, Agricultural & Technical College
Alfred, New York 14802
Program Director: R.L. Love
Educational Coordinator: E.N. Stopfel, MS
Prereq: H.S. **Class Cap.:** 85 **Begins:** Sep **Length:** 21 mos **Tuition:** $750 Res $1200 Non-Res **Awards:** A.A.S **Next Survey:** 1980

Erie Community College
Young Rd. & Main St.
Buffalo, New York 14221
Program Director: J.A. Crowley, MT(ASCP) EdD
Educational Coordinator: J.A. Crowley, MT(ASCP)EdD
Prereq: H.S. **Class Cap.:** 80 **Begins:** Sep **Length:** 24 mos **Tuition:** $740 **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980

NORTH CAROLINA

Asheville-Buncombe Technical Institute
340 Victoria Rd.
Asheville, North Carolina 28801
Medical Director: G.R. Lacy Jr., MD
Program Director: L.S. West, MT(ASCP)
Educational Coordinator: L.S. West, MT(ASCP)
Class Cap.: 12 **Next Survey:** 1983

Sandhills Community College
Route 3 Box 182 C
Carthage, North Carolina 28327
Medical Director: R.L. Stuber, MD
Program Director: J. Davis, MT(ASCP)
Educational Coordinator: D.P. Boswell, MT(ASCP)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Fall **Length:** 21 mos **Tuition:** $50 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Moore Mem Hosp, Pinehurst; Scotland Mem Hosp, Laurinburg; SE Gen Hosp, Lumberton; Lee Cty Hosp, Sanford; Womack Gen Hosp, Ft. Bragg; Sampson Cty Mem Hosp, Clinton; Randolph Hosp, Inc, Ashebord;

Western Piedmont Community College
Morganton, North Carolina 28655
Medical Director: S.P. Neale, MD
Program Director: G. Jennings, MS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 21 mos **Tuition:** $39 **Awards:** A.A.S **Next Survey:** 1982
Affiliates: Cabarrus Memorial Hosp., Concord; Caldwell Memorial Hosp., Lenoir; Catawba Memorial Hosp., Hickory; Cleveland Memorial Hosp., Shelby; Glen R. Frye Memorial Hosp., Hickory; Grace Hosp., Morganton; Valdese General Hosp.; Rutherford College

OHIO

Cuyahoga Community College
700 Carnegie Avenue
Cleveland, Ohio 44115
Medical Director: H. Gold, MD
Program Director: H.K. Jefferson, MED MT(ASCP)
Educational Coordinator: H.K. Jefferson, MED MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $1 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Deaconess Hospital; Hillcrest Hospital, Mayfield Heights; Kaiser Foundation Hospital, Parma;

Columbus Technical Institute
550 E. Spring St.
Columbus, Ohio 43215
Medical Director: B. Hurd, MD
Program Director: C. Watkins, MT(ASCP)
Educational Coordinator: C. Watkins, MT(ASCP)
Prereq: H.S. **Class Cap.:** 90 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A. **Next Survey:** 1978
Affiliates: Children's Hosp; Doctor's No. Hosp; Grant Hosp; Riverside Meth Hosp; St. Anthony Hosp; F.L. Smith Clinic, Marion; Grady Mem Hosp, Del.; Lancaster-Fairfield Hosp; Lic;ing Cty Mem Hosp, Newark; Madison Cty Hosp, London; Martin Mem Hosp, Mercy Hosp,

Kettering College of Medical Arts
3535 Southern Blvd.
Kettering, Ohio 45429
Medical Director: G. Bylsma, MD
Program Director: B.C. Ellison, MT(ASCP)
Educational Coordinator: M.A. Fiene, MT(ASCP)
Class Cap.: 12 **Next Survey:** 1979

Lakeland Community College
Mentor, Ohio 44060
Medical Director: R. Chapnick, MD (ASCP)
Program Director: B. Wollpert, MT(ASCP)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 22 mos **Tuition:** $525 Yr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Lake Cty Mem Hosp, Painesville; Geauga Comm Hosp, Chardon; Euclid Gen Hosp, Euclid; VA Hosp, Cleveland;

Shawnee State College
940 Second St.
Portsmouth, Ohio 45662
Program Director: A. Golji, MT(ASCP)
Medical Director: G. Penn, MD
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 Qtr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Children's Hosp, Columbus; Brown Cty Gen Hosp, Georgetown; Med Ctr Hosp, Chillicothe; Greene Mem Hosp, Xenia; Marion Gen Hosp, Marion; Lawrence Cty Gen Hosp, Ironton;

Rio Grande College/Rio Grande Community College
Rio Grande, Ohio 45674
Medical Director: J.A. DeLamerens, MD
Program Director: R.V. Easley, Dean
Educational Coordinator: M.L. Sweigart, MS(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $585/yrin-Dist$765/yrIn-St $2025 Yr Out-St **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Holzer Medical Center, Gallipalis

OKLAHOMA

Oscar Rose Junior College
6420 S.E. 15th St.
Midwest City, Oklahoma 73110
Program Director: D.K. Myers, MT(ASCP)
Medical Director: B.E. Blevins, MD
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 23 mos **Tuition:** $8 Hr Res $23 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Deaconess Hosp, South Comm Hosp, Hillcrest Osteo Hosp, Oklahoma City; Midwest City Mem Hosp, M.C.; Norman Municipal Hosp;

Tulsa Junior College
909 S. Boston Ave.
Tulsa, Oklahoma 74119
Program Director: R.J. Wallace
Educational Coordinator: Anna Randall, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Fall **Length:** 24 mos **Tuition:** $9 **Awards:** A.A.S **Next Survey:** 1979

PENNSYLVANIA

Northampton County Area Community College
3835 Green Pond Rd.
Bethlehem, Pennsylvania 18017
Medical Director: J.C. Gaulin, MD
Program Director: D.O. Kamback, C(ASCP)
Educational Coordinator: A.M. Novajovsky, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.D. **Next Survey:** 1982
Affiliates: Easton Hosp; St. Luke's Hosp; Allentown Osteopathic Hosp; Quakertown Hosp; Palmerton Hosp; Miller Mem Blood Ctr;

Community College of Philadelphia
34 S. 11th St.
Philadelphia, Pennsylvania 19107
Medical Director: A. Klees, MD
Program Director: M.S. Roulund, MT(ASCP)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 19 mos **Tuition:** $300 sem **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: St. Agnes Hosp; VA Hosp; West Park Hosp; Damon Med Labs, Trevose;

Hahnemann [illegible]ical College & Hospital
230 N. Br[illegible] St.
Philadelphia, Pennsylvania 19102
Medical Director: E. Rubin, MD
Educational Coordinator: P.B. Buccelli, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 21 mos **Tuition:** $2450 **Awards:** A.S. **Next Survey:** 1979
Affiliates: -Frankford Hospital; Jeanes Hospital; Northeastern Hospital;

Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, Pennsylvania 15212
Program Director: E. Lehman, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep-Feb **Length:** 24 mos **Tuition:** $225 Sem **Awards:** A.S. **Next Survey:** 1981

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Medical Director: A. Glassman, MD
Program Director: H.E. Galloway, MS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $440 YrRes $500 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: MUSC Hospital; Veteran Administration Hospital

Midlands Technical College
316 Beltline Blvd.-PO Drawer Q
Columbia, South Carolina 29205
Program Director: M. Callahan, MT(ASCP), MPH
Educational Coordinator: F. Scales, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A.S **Next Survey:** 1981
Affiliates: Lexington Cty Hosp; Moncrief Army Hosp, Ft. Jackson; Providence Hosp; Richland Mem Hosp; VA Hosp; Sta Mental Hosp;

Greenville Technical College
Box 5616 - Station B
Greenville, South Carolina 29606
Program Director: H. Batson
Educational Coordinator: B.S. Gossett
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 21 mos **Tuition:** $75 Qtr **Awards:** Degre **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Greenville Gen Hosp Sys; St. Francis Comm Hosp; Easley Baptist Hosp; Greenville Mem Hosp; Oconee Mem Hosp, Seneca;

Orangeburg-Calhoun TECH College
PO Drawer 1767
Orangeburg, South Carolina 29115
Medical Director: E.E. Pautler, MD
Program Director: M.R. Johnson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** A.A.S **Next Survey:** 1983

Tri-County Technical College
P.O. Box 587
Pendleton, South Carolina 29670
Medical Director: E. Baillie, MD
Program Director: T. Lewis
Program Director: (Mrs) D. Jones, MT(ASCP)
Prereq: H.S. HS Chem HS Bio HS Alg **Class Cap.:** 14 **Begins:** Sep **Length:** 21 mos **Tuition:** $90 Qtr **Awards:** A.A. A.A.S **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Anderson Mem Hosp, Anderson; Easley Bapt Hosp, Easley; Oconee Mem Hosp, Seneca; Hart Cty Hosp, Hartwell, GA;

York Technical College
Highway 21A Bypass
Rock Hill, South Carolina 29730
Medical Director: L.J. Carter, MD
Program Director: E. Carswell
Educational Coordinator: P. Simpson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $90 Qrt **Awards:** A.A.S **Next Survey:** 1978
Affiliates: York General Hospital; Gaton Mem Hosp, Gastonia, NC;

Spartanburg Technical College
Drawer 4386
Spartanburg, South Carolina 29303
Medical Director: M. Patton, MD
Program Director: K. Atkins, MT(ASCP)
Educational Coordinator: B. Thompson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 21 mos **Tuition:** $90 Qtr **Awards:** A.D. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Cherokee County Hospital, Gaffney; Rutherford Cty Hosp, Rutherfordton, NC; St. Lukes Hosp, Tryon, NC; Spartanburg Gen Hosp;

SOUTH DAKOTA

Presentation College
1500 N. Main
Aberdeen, South Dakota 57401
Medical Director: W.T. Sweeny, MD
Program Director: Sr. V. Ogden, MT(ASCP)
Educational Coordinator: B. Halvorson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $1680 Yr **Awards:** A.D. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Luke's Hospital

Dakota Wesleyan University-St. Joseph Hospital
University Boulevard
Mitchell, South Dakota 57301
Medical Director: D.M. Lang, MD(FCAP)
Program Director: C.L. Hills, MAT
Educational Coordinator: S. Mah, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 21 mos **Tuition:** $1850 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Joseph Hosp.; Holy Rosary Hospital, Miles City, Mon.

TENNESSEE

Cleveland State Community College
1 Adkisson Drive
Cleveland, Tennessee 37311
Medical Director: W.K. Striker, MD
Program Director: J.K. Semak, MT(ASCP)
Educational Coordinator: R.W. Stewart, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $84 Qtr **Awards:** A.A.S **Next Survey:** 1980
Affiliates: Bradley Cty Mem Hosp; J.L. Hutcheson Mem; Rhea Cty Med Ctr; Downtown Gen Hosp; Sweetwater Hosp;. Parkridge Hosp, Medical Park Hosp, Chattanooga; Athens Comm Hosp, Athens;

Jackson State Community College
P.O. Box 2467
Jackson, Tennessee 38301
Medical Director: A.L. Middleton, MD
Program Director: G.L. Jones, MT(ASCP)
Educational Coordinator: G.L. Jones, MT(ASCP)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep **Length:** 21 mos **Tuition:** $80 Qtr **Awards:** A.S. **Next Survey:** 1978
Affiliates: Jackson Madison Co. General Hospital; Henry County General Hospital, Paris

TEXAS

Houston Community College
22 Waugh Drive
Houston, Texas 77007
Medical Director: W.T. Hill, MD
Program Director: M.B. Murphy, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 21 mos **Tuition:** $477 Yr **Awards:** A.A.S **Next Survey:** 1980
Affiliates: Heights Hosp.; Memorial City Hosp.; Rosewood Hosp.; Pavillion Hosp.; Ft. Sam Houston Hosp.; Hermann Hosp.

Tarrant County Junior College
828 Harwood Rd.
Hurst, Texas 76053
Medical Director: M. Peschel, MD
Educational Coordinator: J. Kunke, MT(ASCP)
Program Director: G. Shaw, MMS
Prereq: H.S. **Class Cap.:** 17 **Begins:** Sep **Length:** 24 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Joseph Hosp, Harris Hosp, All Sts. Episcopal Hosp, Ft. Worth Osteopathic Hosp, Pathology Assoc of Texas, Ft. Worth;

Laredo Junior College
West End Washington
Laredo, Texas 78040
Program Director: A. Puig, MT(ASCP)
Program Director: F. Gonzales, MD
Educational Coordinator: Sr. M. de Lellis, MT(ASCP)
Educational Coordinator: D. Guevara, MT(ASCP)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 22 mos **Tuition:** $125 Sem **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mercy Hospital; Laredo Jr. College; Doctor's Hospital; Webb County Public Health Dept;

Midwestern University
3400 Taft Blvd.
Wichita Falls, Texas 76308
Medical Director: E.S. Irvine, MD
Program Director: B.J. George, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $348 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bethania Hosp; Wichita Falls Clinic; Sch of Hlth Care Sci, Sheppard AFB; Wichita Falls Sta Hosp; Professional Med Lab;

UTAH

Weber State College
3750 Harrison Blvd.
Ogden, Utah 84408
Program Director: R.C. Nichols, MS.,MT(ASCP)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** Yes **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Benedict's Hosp; McKay-Dee Hospital; Hill Air Force Base Hosp; Ogden Clinic; Red Cross, Cottonwood Hosp, Intermountain Laboratories, Salt Lake City; Brigham City Community Hospital, Brigham City; Davis North Community Hosp, Layton;

VERMONT

University of Vermont
302 Rowell Building
Burlington, Vermont 05405
Program Director: R.C. Lachapelle, MT(ASCP), PhD
Educational Coordinator: M. Breen, MT(ASCP)
Prereq: H.S. **Class Cap.:** 40 **Length:** 24 mos **Tuition:** None **Awards:** A.S. **Next Survey:** 1981
Affiliates: Medical Center Hospital of Vermont, Burlington

Vermont College/Norwich University
Montpelier, Vermont 05602
Medical Director: R. Buttles, MD
Medical Director: R.W. Christie, MD
Program Director: E. Thomas, MA, MT(ASCP)
Educational Coordinator: L.G. Graf, MS
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 21 mos **Tuition:** Comp Fee **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981

VIRGINIA

Wytheville Community College
1000 E. Main St.
Wytheville, Virginia 24382
Program Director: B.V. Craft, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $75 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Wythe Cty Comm Hosp; Smyth Cty Comm Hosp, Marion; Radford Comm Hosp, Radford; Pulaski Comm Hosp, Pulaski;

WEST VIRGINIA

Parkersburg Community College
Route 5 Box 167A
Parkersburg, West Virginia 26101
Program Director: P.H. Taylor, MT(ASCP)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep
Length: 20 mos **Tuition:** $11 Hr **Awards:**
A.D. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Joseph Hospital; Camden-Clark Memorial Hospital;

WISCONSIN

District One Technical Institute
620 West Clairemont Ave.
Eau Claire, Wisconsin 54701
Program Director: W.J. Boyle, PhD
Educational Coordinator: Sr. M.F.G. Dobiesz, MT(ASCP)SB
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug-Jan **Length:** 20 mos **Awards:** A.S. **Next Survey:** 1980

Western Wisconsin Technical Institute
Sixth & Vine Sts.
La Crosse, Wisconsin 54601
Medical Director: P. Dietz, MD
Program Director: M. Hayes, RDH, MS
Educational Coordinator: J. Davidson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 23 mos **Tuition:** $765 **Awards:**
A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: A. Gundersen Med Foundation; LaCrosse Lutheran Hosp; Vernon Mem Hosp, Viroqua; Prairie du Chien Mem Hosp, P. du Chien; VA Hosp, Tomah; Hess Mem Hosp, Mauston; St. Francis Hosp;

Medical Laboratory Technician (*Certificate*)

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ARIZONA

Phoenix College
1202 W. Thomas Rd.
Phoenix, Arizona 85013
Medical Director: J. Likos, MD
Program Director: M.F. Briden, MT(ASCP)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug
Length: 12 mos **Tuition:** $45 Sem **Awards:**
Cert. **Next Survey:** 1978
Affiliates: Veteran's Administration Hospital;

ARKANSAS

St. Vincent Infirmary
Markham & University Ave.
Little Rock, Arkansas 72201
Program Director: D.I. Scott, MD
Educational Coordinator: L.J. Barrier, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:**
Mar-Sep **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Scholarship **Next Survey:**
1978
Affiliates: Doctor's Hospital; Conway County Hospital, Morrilton; St. Vincent Infirmary;

COLORADO

Aurora Technical Center
500 Buckley Rd.
Aurora, Colorado 80011
Program Director: S. Mukavitz, MA, MT(ASCP)
Medical Director: K.W. Hanley, MD
Educational Coordinator: S. Mukavitz, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug
Length: 12 mos **Tuition:** $525 Yr **Awards:**
Cert.
Affiliates: CO Gen Hosp, Kaiser Permanente Clinic, Nat'l Jewish Hosp, Fitzsimons Army Med Ctr, Val View Hosp, Denver; Presb Aurora Hosp;

DELAWARE

St. Francis Hospital, Inc.
Seventh & Clayton Sts.
Wilmington, Delaware 19805
Program Director: J.W. Abbiss, MD
Educational Coordinator: L.S. Farmer, MT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Aug
Length: 12 mos **Tuition:** $200 **Awards:** Cert.
Next Survey: 1978

FLORIDA

Bethesda-Kennedy Hospital
2815 South Seacrest Blvd.
Boynton Beach, Florida 33435
Medical Director: G.S. Cuevas, MD
Program Director: C. Horton, MA, MT(ASCP), CLS
Educational Coordinator: C. Horton, MA, MT(ASCP), CLS
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug
Length: 12 mos **Tuition:** $100 **Awards:** Cert.

Sheridan Vocational Center
5400 Sheridan St.
Hollywood, Florida 33021
Medical Director: M. Felder, MD
Educational Coordinator: P.M. Gaiefsky, MA MT(ASCP)
Program Director: C.L. Harper, MS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Jan-May
Sep **Length:** 12 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1978
Affiliates: North Broward Hosp, Pompano Beach; Imperial Pt. Hosp, Broward Gen Med Ctr, Ft. Lauderdale; Plantation Gen Hosp, Plantation; Memorial Hosp; Hollywood Med Ctr; Holy Cross Hosp, Ft. Lauderdale;

Tomlinson Adult Education Center
296 Mirror Lake Dr.
St. Petersburg, Florida 33701
Medical Director: R. Essman, MD
Program Director: A. Arduini, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jan
Length: 12 mos **Tuition:** $170 Yr **Awards:**
Cert. **Next Survey:** 1979
Affiliates: Bayfront Med Ctr; All Childrens Hosp; Community Blood Bank; Apollo Med Ctr; Palms of Pasadena, S. Pasadena;

Brewster Adult Technical School
105 W. Ross Ave.
Tampa, Florida 33602
Medical Director: F.C. Coleman, MD
Program Director: E. Mc Alister, MA, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jan-Jul
Length: 12 mos **Tuition:** $135 **Awards:** Cert.
Next Survey: 1980
Affiliates: Patterson & Coleman Labs; Hillsborough Cty Hosp; Mac Dill AFB Hosp; SW Florida Blood Bank; Univ. Comm Hosp;

GEORGIA

Atlanta Area Technical School
1560 Stewart Ave., S.W.
Atlanta, Georgia 30310
Medical Director: H.V. Bell, MD
Educational Coordinator: S.S. Puckett, MT(ASCP)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Spring
Fall **Length:** 15 mos **Tuition:** $180 Yr
Awards: Cert. **Next Survey:** 1978
Affiliates: Clayton General Hosp.; Southwest Community Hosp., South Fulton;

Augusta Area Technical School
2025 Lumpkin Rd
Augusta, Georgia 30906
Medical Director: R. Hand, MD
Educational Coordinator: G. Scott, MT(ASCP)
Program Director: D.L. Petersen
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 12 mos **Tuition:** None **Awards:**
Diplom **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: D.D. Eisenhower Army Med Ctr, Ft. Gordon; St. Joseph's Hosp; VA Hosp; Aiken Comm Hosp, Aiken, SC; NE GA Med Ctr, Gainesville;

North Georgia Technical & Vocational School
Lake Burton Hwy.
Clarkesville, Georgia 30523
Medical Director: H. Murray, MD
Educational Coordinator: J. Baird SR.
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep
Length: 17 mos **Tuition:** None **Awards:**
Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Athens Gen Hosp, St. Mary's Hosp, Athens; Griff-Spaul Hosp, Griffin; NW Ga Med Ctr, LaGrange; Tanner Mem Hosp, Carrolton;

Macon Area Vocational-Technical School
3300 Macon Tech Dr.
Macon, Georgia 31206
Medical Director: R.S. Donner, MD
Educational Coordinator: E. Hoffman MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Oct
Length: 12 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1979
Affiliates: Middle Georgia Hospital Laboratory; Coliseum Park Hospital Laboratory; Medical Center of Central Georgia

Valdosta Area Vocational-Technical School
Rt. 1, Box 202
Valdosta, Georgia 31601
Program Director: Wm. Glenn
Educational Coordinator: M.L. Zipperer, MT(ASCP)
Medical Director: J.W. Nelson, MD
Prereq: H.S. **Class Cap.:** 12 **Begins:**
Mar-Sep **Length:** 12 mos **Tuition:** None
Awards: Cert. **Next Survey:** 1978

Waycross Area Vocational Technical School
1701 Carswell Ave.
Waycross, Georgia 31501
Medical Director: M.E. Stebler, MD
Educational Coordinator: M.H. Duggan, MT(ASCP)
Educational Coordinator: R.K. Riverbark
Prereq: H.S. **Class Cap.:** 12 **Begins:**
Sep-Mar **Length:** 12 mos **Tuition:** $15 qt
Awards: Cert **$Aid:** Scholarship **Next Survey:**
1978
Affiliates: Memorial Hospital;

ILLINOIS

Sherman Hospital Association
934 Center St.
Elgin, Illinois 60120
Medical Director: L.C. Hurley, MD
Program Director: L.C. Hurley, MD
Educational Coordinator: J. Rader
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep
Length: 12 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1978

Richland Memorial Hospital
800 E. Locust St.
Olney, Illinois 62450
Medical Director: R.O. Peach, MD
Program Director: V. Rasche, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul
Length: 12 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1977

Blessing Hospital
1005 Broadway St.
Quincy, Illinois 62301
Medical Director: L. Stefan, MD
Program Director: L. Boster, MT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jan-Jul
Length: 12 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1979

Triton College
2000 N. Fifth Ave.
River Grove, Illinois 60171
Program Director: J. Hicks, MD
Educational Coordinator: D. Weaver, MT(ASCP)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $13 SemHr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Oak Pk Hosp, W Sub Hosp, Oak Pk; Westlake Hosp, Gottlieb Hosp, Melrose Pk; NW Hosp, Chgo; Riveredge Hosp, F. Pk; Northlake Hosp

INDIANA

Caylor-Nickel Hospital, Inc.
309 S. Main St.
Bluffton, Indiana 46714
Program Director: A. Waksman, MD
Educational Coordinator: W. Smith, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1632 Yr **Awards:** Cert. **Next Survey:** 1979
Affiliates: St. Francis College, Ft. Wayne;

Thornton-Haymond-Costin-Buehl-Bolinger Sch. for Med.Lab.Assts.
301 E. 38th St.
Indianapolis, Indiana 46205
Medical Director: J.L. Haymond, MD
Program Director: S. Koss, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $300 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Hancock Memorial Hosp, Greenfield; Rush Memorial Hosp, Rushville; Wm S. Major Hosp, Shelbyville; Riverview Hosp, Noblesville

Indiana Vocational Technical College
616 Wabash Ave.
Lafayette, Indiana 47905
Program Director: R. Esposito, MT(ASCP)
Educational Coordinator: R. Esposito, MT(ASCP)
Medical Director: P.W. Elliott, MD
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** $660 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Lafayette Home Hospital; Logansport Memorial Hosp, Logansport;

Lakeshore Med.-Laboratory Training Programs
1701 Buffalo St. PO Box 340
Michigan City, Indiana 46360
Medical Director: R.J. Frost, MD
Program Director: D. Dehmel
Prereq: H.S. HS Chem 2Yrs Math **Class Cap.:** 35 **Begins:** Aug **Length:** 12 mos **Tuition:** $1035 **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Mem Hosp of MI City; Walters Hosp ; Porter Mem Hosp, Valparaiso; Comm Hosp of Munster; Methodist Hosp of Gary; N. Ind Med Labs; OLM Hosp, Dyer; St. Anthony Hosp; St. Margaret Hosp, Hammond;

Indiana Vocational Technical College
2325 Chester Blvd. PO Box 1145
Richmond, Indiana 47274
Medical Director: J.D. Stepleton, MD
Educational Coordinator: E.S. Bryson, BS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $660 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: Reid Memorial Hospital;

Indiana Vocational Technical College
1534 W. Sample St.
South Bend, Indiana 46619
Educational Coordinator: K. Massey, BS MT(ASCP)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 12 mos **Tuition:** $996 Res $1200 Non-Res **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: South Bend Medical Foundation;

Indiana Vocational Technical College
R.R. #22, Box 760
Terre Haute, Indiana 47802
Program Director: L. Blum, MD
Educational Coordinator: N. Cottrell, MT(ASCP)
Prereq: H.S. **Class Cap.:** 19 **Begins:** Sep **Length:** 12 mos **Tuition:** $225 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Clay Cty Hosp, Brazil; T.H. Regional Hosp; T.H. Med Lab; Assoc Phys & Surg's Clinic; Med Arts Lab; Vermillion Cty Hosp, Clinton; Greene Cty Gen Hosp, Linton; M.Sherman Mem Hosp, Sullivan; St. Mary-of-the-Woods Infirmary, SMW;

IOWA

Des Moines Area Community College
2006 S. Ankeny Blvd.
Ankeny, Iowa 50021
Program Director: C. Bennett
Educational Coordinator: M. Rowe, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep-Mar **Length:** 12 mos **Tuition:** $150 Qtr Res$300 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Broadlawns Polk County Hospital, Des Moines; Des Moines General Hospital, Des Moines; Iowa Lutheran Hospital, Des Moines; Iowa Methodist Hospital, Des Moines; Mary Greeley Hospital, Ames; Veterans Administration Hospital, Des Moines Skiff Memorial Hosp., Newton

Scott Community College
Belmont Rd.
Bettendorf, Iowa 52722
Program Director: C.B. Preacher, MD
Educational Coordinator: M. Hedrick, RN
Educational Coordinator: J.A. Brandt, RN
Prereq: H.S. **Class Cap.:** 16 **Begins:** Feb-Sep **Length:** 12 mos **Tuition:** $150 Qtr Res$225 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Lukes Hosp; Davenport Osteo Hosp; Illini Hosp, Silvis, IL; Mercy, St. Joseph Hosp, Clinton; Davenport Med Lab;

Hawkeye Institute of Technology
P.O. Box 8015
Waterloo, Iowa 50704
Program Director: R.J. Rettenmaier, MD
Educational Coordinator: J. Timson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $155 Qtr **Awards:** Cert. **Next Survey:** 1978
Affiliates: Memorial Hosp. at Burlington, Burlington; Floyd County Mem. Hosp., Charles City; Sartori Mem. Hosp., Cedar Falls; Spencer Municipal Hosp., Spencer; Weland Clinical Lab., Cedar Rapids; St. Anthony Hosp. Carroll

KANSAS

Wichita Area Vocational-Technical School
301 S. Grove St.
Wichita, Kansas 67211
Medical Director: H.H. Boyle, MD
Educational Coordinator: P. Day, MT(ASCP)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** $267 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Osteopathic Hospital of Wichita; Bethel Deaconess Hospital, Newton; St. John's Hospital, Salina; Mc Connell AFB Hospital; Dodge City Medical Office, Dodge City;

KENTUCKY

Madisonville Area Vocational School
701 N. Laffoon St.
Madisonville, Kentucky 42431
Program Director: E.E. Kawas, MD
Educational Coordinator: D.L. Harrison, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $53 Yr **Awards:** Cert. **Next Survey:** 1979
Affiliates: Hopkins County Hospital; Trover Clinic

MASSACHUSETTS

Northeastern University
360 Huntington Ave.
Boston, Massachusetts 02115
Medical Director: L.S. Gottlieb, MD
Program Director: W.J. Hendry, MS, MT
Educational Coordinator: L.W. Sutherland
Educational Coordinator: R. Hardavellas, MT
Prereq: H.S. **Class Cap.:** 100 **Begins:** Qtrly **Length:** 15 mos **Tuition:** $1753 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Brookline Hosp, Brookline; Cape Cod Hosp, Hyannis; Cardinal Cushing Hosp, Brockton; Falmouth Hosp, Falmouth; Glover Mem Hosp, Needham; Goddard Mem Hosp, Stoughton; Hale Hosp, Haverhill; Hunt Mem Hosp, Danvers; Lawrence Mem Hosp, Medford; Lemuel Shattuck Hosp, Jamaica Plain; Marlboro Hosp, Marlboro; Mem Hosp, Worcester; St. Joseph's Hosp, Nashua, NH; Union Hosp, Lynn; Symmes Hosp, Arlington; US Public Hlth Hosp, Brighton; Waltham Hosp, Waltham; Whidden Memorial Hospital, Everett; Winchester Hosp, Winchester; Youville Hosp, Cambridge; St. Margaret's Hosp, Dorchester;

Blue Hills Regional Technical Institute
100 Randolph St.
Canton, Massachusetts 02021
Medical Director: J.S. McGovern, MD
Educational Coordinator: J.A. Balzano, MT(ASCP)
Program Director: D.F. Malone, MS
Prereq: H.S. **Class Cap.:** 21 **Begins:** Sep **Length:** 13 mos **Tuition:** $400 Yr **Awards:** Cert **Next Survey:** 1978
Affiliates: VA Hosp, Cardinal Cushing Hosp, Brockton; VA Hosp of W. Roxbury; St. Margaret's Hosp, Dorchester; Braintree Hosp, Braintree; Milton Hosp, Milton; L. Morse Hosp, Natuck; Glover Mem Hosp, Needham; Norwood Hosp, Norwood; Pondville Hosp, Walpole; Long Island Hosp, Quincy; Boston City Hosp, Boston;

Montachusetts Regional Vocational School
1050 Westminster St.
Fitchburg, Massachusetts 01420
Medical Director: G.K. Nagy, MD
Educational Coordinator: C.M. Kisiel, MT(ASCP)
Program Director: H. Epstein, RN, Ed.M.
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Nashoba Comm Hosp, Aver; Clinton Hosp Assoc; Athol Mem Hosp, Athol;Cutler Army Hosp, Ft. Devens; Fallon Clinic, Worchester; Holden District Hospital, Holden;

St. John's Hospital
14 Bartlett St.
Lowell, Massachusettes 01700
Program Director: D.M. Goldrich, MD
Educational Coordinator: A.C. Hughes, MA, MT(ASCP)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 15 mos **Tuition:** None

Worcester Hahneman Hospital
281 Lincoln St.
Worcester, Massachusetts 01605
Medical Director: M.E. Tracht, MD, PhD
Educational Coordinator: S. Dean, MT(ASCP)
Prereq: H.S. **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

MINNESOTA

Alexandria Area Technical Institute
1600 Jefferson
Alexandria, Minnesota 56308
Medical Director: C.V. Balogna, MD
Educational Coordinator: M. Reiten, MT(ASCP)
Prereq: H.S. **Class Cap.:** 36 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $2-Day Res $5-Day Non Res **Awards:** Cert. **Next Survey:** 1979
Affiliates: St. Francis Hospital, Breckenridge; Douglas County Hospital; Meeker County Hospital, Litchfield; St. Joseph Hospital, Park Rapids; Worthington Regional Hospital, Worthington; St. Mary Hospital, Detroit Lakes; St. Ansgar Hospital, Moorhead; St. John Hospital, Fargo, ND; Queen of Peace Hospital, New Prague; St. Francis Hospital, Breckenridge; Rice Memorial Hospital, Willmar; Mercy Hospital, Valley City, ND;

Duluth Area Vocational Technical Institute
2101 Trinity Rd.
Duluth, Minnesota 55811
Medical Director: V.G. Goldschmidt, MD
Educational Coordinator: J. Pappas, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Superior Memorial Hosp., Superior, WI; Cloquet Memorial Hosp..; Ft. Atkinson Memerial Hosp., Ft. Atkinson; Mercy Hosp. Moose Lake; Grandview Hosp., Ironwood; Lakeview Memorial Hosp., Two Harbors; Miller Dwan Hosp.; Cumberland Memorial Hosp., Cumberland, WI.; Virginia Memorial Hosp., Virginia; Doylestown Hosp., Doyelstown

Area Vocational Technical Institute
Highway 220 North
East Grand Forks, Minnesota 56721
Program Director: J. Saumur, MT(ASCP)
Educational Coordinator: M. Johnson
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert.
Affiliates: Tioga Community Hospital, Tioga; Hettinger Hospital, Hettinger; Cavalier County Memorial Hospital, Langdon; Wishek Hospital, Wishek, ND; Johnson Clinic, Ruby; Riverview Hospital, Crookston; Carrington Hospital, Carrington, ND;

Faribault Area Vocational Technical Institute
1225 S.W. Third St.
Faribault, Minnesota 55021
Program Director: D.T. Clarke, MD
Educational Coordinator: S.A.J. Repp, MT(ASCP)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jul/Feb **Length:** 12 mos **Tuition:** $500 Res $1250 Non Res **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Comm Mem Hosp, Winona; Mitchell Cty Mem Hosp, Osage, IA; Naeve Hosp, Albert Lea; Northfield City Hosp, N'field; St. Olaf Hosp, Austin; Queen of Peace Hosp, New Paogue; Rice Mem Hosp, Willmar; Rice Cty Dist One Hosp; St. Joseph Mercy Hosp, Mason City; Greene Cty Med Ctr, Jefferson, IA;

Hibbing Area Vocational Technical Institute
2900 E. Beltline
Hibbing, Minnesota 55746
Medical Director: D. Nollet, MD
Program Director: Wm. E. Magajna
Educational Coordinator: P. Hinds, MT(ASCP)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $442 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Central Mesaba Med Ctr; Falls Mem Hosp, Internat'l Falls; Bemidji Comm Hosp, Bemidji; St. Joseph's Hosp, Brainerd; Ely-Bloomenson Comm Hosp, Ely; Itasca Mem Hosp, G. Rapids; Virginia Municipal Hosp, Virginia; Virginia Municipal Hospital, Virginia

Lakeland Medical-Dental Academy
1402 W. Lake St.
Minneapolis, Minnesota 55408
Program Director: C. Horwitz, MD
Educational Coordinator: P. Anderson, MT(ASCP)BS
Prereq: H.S. **Class Cap.:** 160 **Begins:** Jan-Jul Sep-Mar **Length:** 12 mos **Tuition:** $3045 **Awards:** Cert. A.A. **Next Survey:** 1981
Affiliates: Medical Center; Graham Hosp.; St. Mary's Hosp.; Community General Hosp.; St. Anthony Hosp.; St. Joseph Mercy Hosp.; Trinity Regional Hosp.; Atchison Hosp.; Trinity Hosp.; V.A. Hosp.

Medical Institute of Minnesota
2309 Nicollet Ave.
Minneapolis, Minnesota 55404
Medical Director: L.J. Hoilund, MD
Educational Coordinator: M.R. Rogers, MT(ASCP)
Prereq: H.S. **Class Cap.:** 200 **Begins:** Jan-Jul Oct **Length:** 18 mos **Tuition:** $675 Qtr **Awards:** Cert.A.S. **Next Survey:** 1980

St. Paul Technical Vocational Institute
235 Marshall Ave.
St. Paul, Minnesota 55102
Medical Director: C.W. Jarvis, MD
Program Director: L. Buelow
Educational Coordinator: B. Heinen, MT(ASCP), RT(ARXT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 20 mos **Tuition:** 2/Day **Awards:** A.A.S **Next Survey:** 1983
Affiliates: Abbott Hosp.; Eitel Hosp.; Fairview Southdale Hosp.; Lutheran Deaconess Hosp., Minneapolis; Methodist Hosp., St. Louis Park; North Memorial Hosp.

MISSOURI

Gradwohl School of Laboratory Technique
3514 Lucas Ave.
St. Louis, Missouri 63103
Medical Director: S. Reitman, MD
Educational Coordinator: P. Royer
Prereq: H.S. **Class Cap.:** 150 **Begins:** Monthly **Length:** 12 mos **Tuition:** $2400 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

MONTANA

Physicians Lab. Service
15 W. Lamme St. Box 100
Bozeman, Montana 59715
Program Director: V.W. Steele, MD
Educational Coordinator: M. Gard, MT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

NEW HAMPSHIRE

New Hampshire Vocational-Technical College
Hanover Street Extension
Claremont, New Hampshire 03745
Medical Director: Dr. C. Cunningham
Program Director: D. Kierstead, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $680 Res $1841 Non-Res **Awards:** Cert. **Next Survey:** 1978
Affiliates: Claremont General Hosp.; St. Joseph Hosp., Nashua; Catholic Med Ctr, Manchester; Springfield Hosp. Springfield VA Center, White River Junction, Vt.; Cheshire Hosp, Keene; VA Hosp, Manchester;

Lakes Region General Hospital
Highland St.
Laconia, New Hampshire 03246
Program Director: N.G.B. McLetchie, MD
Educational Coordinator: H. Hemeon, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Sep **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1978

NEW JERSEY

Riverside Hospital
Powerville Rd.
Boonton, New Jersey 07005
Program Director: F.A. Querimit, Jr., MD
Educational Coordinator: N.P. Weibel, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Aug-Sep Feb-Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Hunterdon Medical Center
Route 31
Flemington, New Jersey 08822
Medical Director: W.E. Uhlman, MD
Educational Coordinator: F. Gary, MT(ASCP)
Medical Director: W.E. Uhlam, MD
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** $750 **Awards:** Cert. **Next Survey:** 1978

St. Barnabas Medical Center
Old Short Hills Rd.
Livingston, New Jersey 07039
Medical Director: E.H. Ongcapin, MD
Program Director: J.P. Manning, PhD
Educational Coordinator: D. Whiting, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 13 mos **Tuition:** $1500 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

Community Memorial Hospital
Hwy #37 W, CN2002
Toms River, New Jersey 08753
Program Director: S.K. Sinha, MD
Educational Coordinator: J. Barrett, MT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

St. Francis Medical Center
601 Hamilton Ave.
Trenton, New Jersey 08629
Medical Director: F. Campo, MD
Educational Coordinator: P. Abbott, MT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** July **Length:** 13 mos **Tuition:** $500 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Greater Paterson General Hospital Association
224 Hamburg Turnpike
Wayne, New Jersey 07470
Program Director: S. Quencro, MD
Educational Coordinator: D.N. Cetani, Jr., MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Aug **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1978

NEW YORK

Champlain Valley Physicians Hospital Medical Center
100 Beekman St.
Plattsburgh, New York 12901
Program Director: J. Halleron, MD
Educational Coordinator: C.A. Barnett, MT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** $350 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

Richmond College
130 Stuyvesant Place
Staten Island, New York 10301
Medical Director: P.F. Caracta, MD
Educational Coordinator: P. Mattina, MT(ASCP)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 20 mos **Tuition:** $750 **Awards:** A.A.S. **Next Survey:** 1978
Affiliates: U.S.P.H.S. Hospital

NORTH CAROLINA

Asheville-Buncombe Technical Institute
340 Victoria Rd.
Asheville, North Carolina 28801
Medical Director: G.R. Lacy, Jr., MD
Educational Coordinator: L.S. West, MT(ASCP)
Program Director: K.H.Truax, DDS
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 12 mos **Tuition:** $33 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Memorial Mission Hospital

Bladen Technical Institute
P.O. Box 266
Dublin, North Carolina 28332
Program Director: Mr. J. Gaylord
Educational Coordinator: L.I. Butler, MT(ASCP)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep/Mar **Length:** 12 mos **Tuition:** $184 Yr **Awards:** Dipl. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Marlboro Gen Hosp, Bennettsville, SC; VA Hosp, Salisbury; Columbus Cty Hosp, Whiteville; Duplin Gen Hosp, Kenansville; Cape Fear Memorial Hosp.; Loris Community Hosp. Loris, SC

Wake County Technical Institute
Route 10, Box 200
Raleigh, North Carolina 27603
Medical Director: L.J. Kaasa, MD
Program Director: B. Hudson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $39 QtrRes **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: John Umstead Hospital, Butner; VA Hospital, Fayetteville; Wake County Medical Center, Raleigh; Dorothea Dix Hospital; Wake Memorial Hospital

Beaufort County Technical Institute
Highway 264 East
Washington, North Carolina 27889
Medical Director: L. Moore, MD
Program Director: J.F. Cherry, MT(ASCP)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 18 mos **Tuition:** $39 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Beaufort County Hospital; Albemarle Hospital, Elizabeth City; Naval Regional Medical Center, Jacksonville

OHIO

East Liverpool City Hospital
425 W. Fifth St.
East Liverpool, Ohio 43920
Medical Director: W. Graham, MD
Program Director: D.H. Gadd, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Lima Memorial Hospital
Linden & Mobel Sts.
Lima, Ohio 45804
Program Director: W.T. Collins, MD
Educational Coordinator: S. Kistler, MT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1978

Memorial Hospital
Matthew & Ferguson Sts.
Marietta, Ohio 45750
Program Director: F.R. Macatol, MD
Educational Coordinator: C.M. Veach, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Middletown Hospital Association
105 McKnight Dr.
Middletown, Ohio 45042
Program Director: R.P. Carson, MD
Educational Coordinator: F.B. Casey, MT(ASCP)SBB
Prereq: H.S. **Class Cap.:** 6 **Begins:** Aug
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Mercy Hospital
1248 Kinneys Lane
Portsmouth, Ohio 45662
Program Director: C.O. Hurst, MD
Medical Director: J.T. Gohmann, MD
Educational Coordinator: D. Horne, MT(ASCP)
Educational Coordinator: A. Singer, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Dettmer General Hospital
3130 N. Dixie
Troy, Ohio 45373
Program Director: C.G. Hoak, MD
Educational Coordinator: A.M. Tucker, MT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Aug/Feb **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1978

OREGON

Portland Community College
12000 S. W. 49th Ave.
Portland, Oregon 97219
Program Director: A.L. Stevens, PhD
Educational Coordinator: J.W. Holley, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $122 Qtr Res$38 Cr Hr Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Tuality Comm Hosp, Hillsboro; Holladay Park Hosp; Med Diagnostic Lab; Emanuel Hosp; St. Joseph's Hosp, Vancouver, WA; Damasch State Hospital, Wilsonville

PENNSYLVANIA

Mercy Hospital
2500 Seventh Avenue
Altoona, Pennsylvania 16603
Program Director: A.E. Fraire, MD
Educational Coordinator: Sr. M. Wendelin, MA, MT(ASCP)
Prereq: H.S. **Class Cap.:** 7 **Begins:** Aug
Length: 12 mos **Tuition:** $325 **Awards:** Cert.
Next Survey: 1979

Ashland State General Hospital
Route 61
Ashland, Pennsylvania 17921
Program Director: K.A. Feinberg, MD
Educational Coordinator: J.M. Motsney, BS MT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul
Length: 18 mos **Tuition:** $200 **Awards:** Cert.
Next Survey: 1978

Chambersburg Hospital
Seventh & King Sts.
Chambersburg, Pennsylvania 17201
Medical Director: H.L. Hoffman, MD
Program Director: J. Kuhnert, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** June
Length: 14 mos **Tuition:** $200 **Awards:** Cert.
Next Survey: 1978

Hamot Medical Center
201 State St.
Erie, Pennsylvania 16512
Medical Director: J.A. Fust, MD
Educational Coordinator: V. Polansky, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Memorial Hospital of Bedford County
Route 1
Everett, Pennsylvania 15537
Medical Director: W.W. Ayres, MD
Program Director: B. Bozzo, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Aug
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Westmoreland Hospital Association
532 W. Pittsburgh
Greensburg, Pennsylvania 15601
Program Director: T.K. Morrow, MD
Educational Coordinator: J. Geroux, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 12 mos **Tuition:** $150 **Awards:** Cert.
Next Survey: 1978

Conemaugh Valley Memorial Hospital
1086 Franklin St.
Johnstown, Pennsylvania 15905
Medical Director: P. Monteleone, MD
Educational Coordinator: S. Robel,
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 12 mos **Tuition:** 500 **Awards:** Cert.
Next Survey: 1980
Affiliates: Greater Johnstown Vocational Technical School

Crawford County Area Vocational Technical School
Thurston Rd.
Meadville, Pennsylvania 16335
Medical Director: W.C. Thomas, MD
Program Director: E. Fertig, MT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul
Length: 12 mos **Tuition:** $850 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Meadville City Hospital; Spencer Hospital; Crawford Cty Area Voc Tech Sch;

Allegheny Valley Hospital
1301 Carlisle St.
Natrona Heights, Pennsylvania 15065
Medical Director: S.J.C. Miller, MD
Program Director: E.B. Rozpierski, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 18 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Murrell Dobbins Area Vocational Technical School
22nd St. & Lehigh Ave.
Philadelphia, Pennsylvania 19132
Program Director: E. Magliocco
Program Director: P.V. Skerrett, MD
Educational Coordinator: O.K. Scanlon, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 17 mos **Tuition:** $550 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: Veteran's Administration Hospital; Einstein Medical Center;

Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, Pennsylvania 15212
Medical Director: V. Whiteside, MD
Educational Coordinator: E. Lehman, MT(ASCP)
Class Cap.: 16 **Next Survey:** 1983
Affiliates: Central Med Health Services Hosp; Columbia Div-Forbes Health System; Pitts Div-Forbes Health System; Shadyside Hosp;

South Side Hospital of Pittsburgh
20th & Jane Sts.
Pittsburgh, Pennsylvania 15203
Medical Director: L.B. Myers, MD
Program Director: M. Falkenhan, MT(ASCP)
Educational Coordinator: D.A. Sartore, MT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul
Length: 18 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Moses Taylor Hospital
700 Quincy Ave.
Scranton, Pennsylvania 18510
Medical Director: C.T.Curtin, MD
Educational Coordinator: M.G. Butler, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Aug
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

The Chester County Hospital
701 East Marshall St.
West Chester, Pennsylvania 19380
Medical Director: E.A. Bentley, Jr., MD
Program Director: C.F. Yowell, MT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

Community College of Allegheny County
1750 south Clairton Road, Rt 8
West Mifflin, Pennsylvania 15122
Medical Director: P.C. Martineau, MD
Program Director: I. Campano, BS
Educational Coordinator: J. Coughanour, MT(ASCP)
Class Cap.: 20 **Next Survey:** 1983

SOUTH DAKOTA

Mitchell Area Vocational Technical School
821 N. Capital
Mitchell, South Dakota 57301
Program Director: J.L. Vose, MD
Educational Coordinator: G.E. Bamsey, MT(ASCP)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $180 Qtr Non-Res **Awards:** Cert. **Next Survey:** 1978
Affiliates: Methodist Hosp; Mitchell Med Lab; st. Mary's Hosp, Pierre; Madison Comm Hosp, Madison; Dakota Hosp, Vermillion; PHS Hosp, Rapid City; Baptist Hosp, Winner; Dakota Midland Hosp, Aberdeen; Yankton Clinic Lab, Yankton;

Lake Area Vocational Technical School
200 NE 9th
Watertown, South Dakota 57201
Medical Director: A.R. Heupel, MD
Program Director: A.R. Heupel, MD
Educational Coordinator: J. Richards, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun/Dec **Length:** 12 mos **Tuition:** $720
Awards: Cert. **Next Survey:** 1980
Affiliates: Memorial Hospital; St. Ann Hospital

TENNESSEE

Bristol Memorial Hospital
209 Memorial Dr.
Bristol, Tennessee 37620
Medical Director: A.S. Crawford, MD
Program Director: S. Barr, MS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Oct
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

Cumberland School of Medical Technology
North Washington Ave. Plaza
Cookeville, Tennessee 38501
Medical Director: H.G. Browne, MD
Program Director: V.L. Floyd, MT(ASCP)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** $675 Qtr
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Epperson Hospital, Athens; Greenview Hospital, Bowling Green, Ky; Cumberland Medical Center, Crossville; Goodlark Hospital, Dickson; Trinity Hospital, Erin; Harriman General Hospital, Harriman; Fentress County Hospital, Jamestown; Lady Ann Hospital, Livingston; Riverpark Hospital, McMinnville; Clinical Laboratories of Nashville; Parkview Hospital, Nashville; West Side Hospital, Nashville; Scot County Hospital, Oneida; Bedford County Hospital, Shelbyville; DeKalb County Hospital, Smithville

East Tennessee State Univ. Paramedical Center
1000 West E St.
Elizabethton, Tennessee 37643
Medical Director: E.K. McClellan, MD
Medical Director: T.P. Potter, MD
Educational Coordinator: R. Regenold, MT(ASCP)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep,Mar **Length:** 12 mos **Tuition:** $154 Qtr
Awards: Cert. **Next Survey:** 1978
Affiliates: Carter County Memorial Hosp.; Veterans Administration Hosp.; Johnson City Memorial Hosp.; Indian Path Hosp.; Laughlin Memorial Hosp.

Knoxville Board of Education
Clinch Avenue
Knoxville, Tennessee 37915
Medical Director: B.B. Bellomy, MD
Educational Coordinator: G. Maner, MT(ASCP)
Program Director: L. Steinhoff
Prereq: H.S. **Class Cap.:** 15 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $225/Qt
Awards: Diplom **Next Survey:** 1978
Affiliates: East Tennessee Baptist Hospital; Fort Sanders Presbyterian Hospital; Oak Ridge Hospital, Oak Ridge

Memphis Area Vocational-Technical School
620 Mosby Ave.
Memphis, Tennessee 38105
Medical Director: N. Fizette, MD
Program Director: R.F. Wilson
Educational Coordinator: L. Ingram
Educational Coordinator: P. Wilson
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: City of Memphis Hospitals

TEXAS

Matagorda General Hospital
1115 Avenue G Box 910
Bay City, Texas 77414
Medical Director: R.R. Johnston, MD
Educational Coordinator: J.A. Skweres, MT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** Yes **Awards:** None **Next Survey:** 1983
Affiliates: Sweeney Community Hospital, Sweeney

San Jacinto Methodist Hospital
1101 Decker Dr.
Baytown, Texas 77520
Program Director: M.D. Haley, MD
Educational Coordinator: L.K. Frans, BS MT(ASCP)
Prereq: H.S. 1 yr Coll **Class Cap.:** 6 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. A.A. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Lee Junior College

Memorial Medical Center
2606 Hospital Blvd.
Corpus Christi, Texas 78405
Medical Director: J.M. Scherer, MD
Program Director: D.F.Samo, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jan,Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Spohn Hospital; Parks-Scherer Laboratories;

Orange Memorial Hospital
P.O.Box 37 MacArthur Drive
Orange, Texas 77630
Program Director: O.R. Griffin, MD
Educational Coordinator: J.C. Boehme, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan,Jul **Length:** 12 mos **Tuition:** None **Awards:** Diplo **Next Survey:** 1983

San Antonio State Chest Hospital
2303 S. E. Military Dr.
San Antonio, Texas 78223
Medical Director: B. Gottfried, MD
Program Director: D. Garcia, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan/Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Detar Hospital
506 E. San Antonio St.
Victoria, Texas 77901
Program Director: A.K. Lyster, MD
Educational Coordinator: A. Delarosa, MT(ASCP)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Aug 1st **Length:** 12 mos **Tuition:** $150 Yr **Awards:** Cert. **Next Survey:** 1978

USAF School of Health Care Sciences
Sheppard Air Force Base
Wichita Falls, Texas 76311
Medical Director: Lt.Col.S. Seth, MC(MD)
Educational Coordinator: Capt.C.H. Hagen, BSC (BS)
Program Director: Lt.Col.F.L.Witzgall, BSC(BS,BM
Prereq: H.S. Military HS Alge HS Chem **Class Cap.:** 8 **Begins:** Varies **Length:** 13 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: USAF Hospitals and Medical Centers; Midwestern State University;

VIRGINIA

Hampton General Hospital
3120 Victoria Blvd.
Hampton, Virginia 23661
Medical Director: R.F. Clark, MD
Educational Coordinator: L. Dickey, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Prince William Hospital
8700 Sudley Rd.
Manassas, Virginia 22110
Program Director: K. Hellinger, MD
Educational Coordinator: B. Gibson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Memorial Hospital of Martinsville & Henry County
PO Box 4788 Commonwealth Blvd.
Martinsville, Virginia 24112
Program Director: D.W. Roycroft, MD
Educational Coordinator: R.V. Lenderman, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Newport News Public School/Riverside Hospital
500 J. Clyde Morris
Newport News, Virginia 23601
Medical Director: F.Q. Wingfield, MD
Program Director: W.C. Lawson, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan-Jul **Length:** 18 mos **Tuition:** $750 Res $900 Non-Res **Awards:** Cert. **Next Survey:** 1978
Affiliates: Newport News Public School System

Medical Center Hospitals
600 Gresham Dr.
Norfolk, Virginia 23507
Medical Director: R.R. Stephens, MD
Program Director: W. Hare, MT(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Norfolk Public Schools

Petersburg General Hospital
801 S. Adams St.
Petersburg, Virginia 23803
Medical Director: H.L. Griffin, MD
Educational Coordinator: S. Chappell, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 15 mos **Tuition:** $175 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Richard Bland College

Richmond Memorial Hospital
1300 Westwood Ave.
Richmond, Virginia 23227
Program Director: J.B. Roberts, MD
Educational Coordinator: H. Brauns, MT(ASCP)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** $1200 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

Lewis-Gale Hospital, Inc.
1900 Electric Road
Salem, Virginia 24153
Medical Director: A.V. Torre, MD
Educational Coordinator: E. Kyle, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Wytheville Community College
1000 E. Main St.
Wytheville, Virginia 24382
Medical Director: A. Williams, MD
Medical Director: A. Perez, MD
Medical Director: R. Gaillot, MD
Program Director: B.V. Craft, MT(ASCP)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 15 mos **Tuition:** $100 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Smyth Cty Comm Hosp, Marion; Radford Comm Hosp, Radford; Wythe Cty Comm Hosp; Pulaski Comm Hosp, Pulaski;

WASHINGTON

Clover Park School District #400 Education Center
4500 Steilacoom Blvd. SW
Tacoma, Washington 98499
Medical Director: C.C. Reberger, MD
Program Director: P. Reese, MS, MT(ASCP)
Educational Coordinator: R. Briehl, MT(ASCP)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Mar-Oct **Length:** 12 mos **Tuition:** $88 Sem **Awards:** Cert. **Next Survey:** 1978
Affiliates: Tacoma-Pierce Cty Bld Bank; Puget Sound Hosp; The Doctor's Hosp; Lakewood Gen Hosp; Allenmore Hosp; St. Peter's Hosp, Lacey; Amer Lake Vet Hosp, A.L.; Allenmore Out-Patient Lab;

WEST VIRGINIA

Veterans Administration Medical Center
200 Veterans Ave.
Beckley, West Virginia 25801
Medical Director: W.A. Laqueur, MD
Program Director: C. Christie, MT(ASCP)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Bluefield Sanitarium
525 Bland Street
Bluefield, West Virginia 24701
Program Director: J.J. Bryan, MD
Educational Coordinator: N. Norman, MT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Stevens Clinic Hospital, Welch;

WISCONSIN

Waupun Memorial Hospital
620 W. Brown St.
Waupun, Wisconsin 53963
Program Director: T. Rowan, MD
Educational Coordinator: K. Duchac, MT(ASCP)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $400 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Divine Savior Hospital, Portage;

Medical Record Administrator

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Program Director: S.S. Grostick, RRA
Prereq: 2 yrs Coll **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** Univ. **Awards:** B.S. **Next Survey:** 1982

ARKANSAS

Arkansas Technical University
Russellville, Arkansas 72801
Program Director: D. McKenzie, RRA, (Acting)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 11 mos **Tuition:** $490 Yr **Awards:** B.S. **Next Survey:** 1980

CALIFORNIA

Loma Linda University
Loma Linda, California 92350
Program Director: M.C. Jackson, RRA
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $3285 Yr **Awards:** B.S. **Next Survey:** 1980

UCLA School of Public Health
University of California
Los Angeles, California 90024
Program Director: O.G. Johnson
Prereq: 2 yrs Coll **Begins:** Varies **Length:** 21 mos **Tuition:** Univ. **Awards:** B.S. **Prereq:** B.A. B.S. **Begins:** Varies **Length:** 21 mos **Tuition:** Univ. **Awards:** M.P.H.M.S.P. **$Aid:** Stipend **Next Survey:** 1980

COLORADO

Colorado Women's College/Regis College
Montview & Quebec
Denver, Colorado 80200
Program Director: D.C. Master, RRA
Prereq: 2 yrs Coll **Length:** 24 mos **Tuition:** None **Awards:** None **Next Survey:** 1980

FLORIDA

Florida Technological University
Alafaya Trail PO Box 25000
Orlando, Florida 32816
Program Director: M.J. Neill, RRA
Educational Coordinator: Dr. O.C. Elder, Dean
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 48 mos **Tuition:** $17 Cr Hr Res $38-52 Non-Res **Awards:** B.S. **Next Survey:** 1979

GEORGIA

Emory University
Atlanta, Georgia 30322
Program Director: E. Ramsden, RRA
Prereq: 3 yrs Coll or Degree **Class Cap.:** 30 **Begins:** Sep **Length:** 4 qtrs **Tuition:** $1200 Qtr **Awards:** BM,Sc **$Aid:** Loan **Next Survey:** 1980

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Program Director: J. Sirmans, RRA
Prereq: 2 yrs Coll **Class Cap.:** 50 **Begins:** Sep **Length:** 18 mos **Tuition:** $200 Qtr Res$525 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979

ILLINOIS

University of Illinois College of Medicine
808 S. Wood St.
Chicago, Illinois 60612
Program Director: R. Finnegan, MA, RRA
Prereq: 3 yrs Coll **Class Cap.:** 24 **Begins:** Jun **Length:** 12-24 mos **Tuition:** $322 Qtr Res$712 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

Illinois State University
Normal, Illinois 61761
Program Director: J.A. Livingston, RRA
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Jan-Sep **Length:** 24 mos **Tuition:** $354 Res $854 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979

INDIANA

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Program Director: M.L. McKenzie, RRA
Educational Coordinator: M.L. McKenzie, RRA
Prereq: 3Yr Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 9 mos **Tuition:** $24 Hr Res $55 Hr Non Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979

KANSAS

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Program Director: R. Sahlfeld, RRA (Acting)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Aug **Length:** 11 mos **Tuition:** Univ. **Awards:** Cert. B.S. **Next Survey:** 1981

LOUISIANA

University of Southwestern Louisiana
P.O. Box 41008
Lafayette, Louisiana 70504
Program Director: G. Kelley, RRA, MPH
Prereq: H.S. **Class Cap.:** 45 **Begins:** Sep **Length:** 48 mos **Tuition:** $225 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

Louisiana Tech University
P.O. Box 5106, Tech Station
Ruston, Louisiana 71272
Program Director: L. Stebbins, RRA
Prereq: H.S. **Begins:** Sep **Length:** 48 mos **Tuition:** $153 Qtr-Res$363 Non-Res **Awards:** B.S. **Next Survey:** 1980

MARYLAND

U.S. Public Health Service Hospital
3100 Wyman Park Dr.
Baltimore, Maryland 21211
Program Director: J. Branch, RRA
Prereq: Degree **Class Cap.:** 16 **Begins:** Jul **Length:** 11 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1980

MASSACHUSETTS

Northeastern University
360 Huntington Ave.
Boston, Massachusetts 02115
Program Director: J. Weilerstein
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep-Jan **Length:** 48 mos **Tuition:** Univ. **Awards:** B.S. Cert. **Next Survey:** 1983

MICHIGAN

Ferris State College
Big Rapids, Michigan 49307
Program Director: J.C. Linck, RRA
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $268 qt$633 qtNon Res **Awards:** B.S. **Next Survey:** 1980

Mercy College of Detroit
8200 W. Outer Dr.
Detroit, Michigan 48219
Program Director: D. O'Neil, RRA
Educational Coordinator: D. O'Neil, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 48 mos **Tuition:** $1090 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

MINNESOTA

College of St. Scholastica
1200 Kenwood Ave.
Duluth, Minnesota 55811
Program Director: P. Pierce, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 36 mos **Tuition:** $895 Qtr **Awards:** B.A. **$Aid:** Scholarship **Next Survey:** 1980

MISSISSIPPI

University of Mississippi Medical Center
2500 N. State St.
Jackson, Mississippi 39216
Program Director: E.J. Whitmore, RRA
Prereq: 2 yrs Coll **Class Cap.:** 16 **Begins:** Sep **Length:** 21 mos **Tuition:** $580 Yr **Awards:** B.S. **Next Survey:** 1980

MISSOURI

St. Louis University
3525 Caroline Street
St. Louis, Missouri 63104
Program Director: S.Anderson, RRA
Prereq: H.S. **Class Cap.:** 80 **Begins:** Jan-Sep **Length:** 48 mos **Tuition:** $1500 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

MONTANA

Carroll College
Capital Hill
Helena, Montana 59601
Program Director: Sr. R.A. Louk, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 36 mos **Tuition:** $895 Sem **Awards:** B.A. **$Aid:** Scholarship **Next Survey:** 1981

NEBRASKA

College of Saint Mary
1901 S. 72nd St.
Omaha, Nebraska 68124
Program Director: P.C. Hopp, MS, RRA
Prereq: H.S. Degree **Class Cap.:** 30 **Begins:** Aug **Length:** 36 mos 9 mos **Tuition:** $80 Cr Hr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1979

NEW YORK

Daemen College
4380 Main St.
Amherst, New York 14226
Program Director: J. Muller, RRA
Prereq: 2 yrs Coll **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** Coll. **Awards:** B.S. **Next Survey:** 1982

State University of New York Downstate Medical Center
450 Clarkson Ave.
Brooklyn, New York 11203
Program Director: J. Lyons, RRA
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Jun **Length:** 22 mos **Tuition:** $300 qtRes $500 qtNon Res **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Bacc **Class Cap.:** 20 **Length:** 12 mos **Tuition:** Same **Awards:** Cert. **Next Survey:** 1981

NORTH CAROLINA

Western Carolina University
Moore Hall
Cullowhee, North Carolina 28723
Director: R. de Fallot Flowers, RRA
Prereq: 2 yrs Coll **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $170 Qtr Res$726 Non-Res **Awards:** B.S. **Next Survey:** 1981

East Carolina University
Greenville, North Carolina 27834
Program Director: P.H. Wood, RRA
Prereq: 2 yrs Coll **Class Cap.:** 15 **Begins:** Aug **Length:** 24 mos **Tuition:** Univ. Req. **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

OHIO

The Ohio State University College of Medicine
190 N. Oval Mall
Columbus, Ohio 43210
Program Director: M.M. Pariser, MS, RRA
Prereq: 3 Yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 18 mos **Tuition:** $260 Qtr Res$610 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982

OKLAHOMA

East Central Oklahoma State University
Ada, Oklahoma 74820
Program Director: A. Klepper, MD (Acting)
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 24 mos **Tuition:** $12 Hr Fr. & S$13 Jr & Sr **Awards:** B.A. **$Aid:** Scholarship **Next Survey:** 1979

Southwestern Oklahoma State University
Weatherford, Oklahoma 73096
Program Director: M.L. Prichard, RRA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug **Length:** 48 mos **Tuition:** $14 Sem Hr **Awards:** B.S. **Next Survey:** 1979

PENNSYLVANIA

Temple University
3307 N. Broad St.
Philadelphia, Pennsylvania 19140
Program Director: E.O. Patrikas, MA, RRA
Prereq: 2 yrs Coll **Class Cap.:** 35 **Begins:** Sep **Length:** 21 mos **Tuition:** $975 Sem Res$1675 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

University of Pittsburgh
106 Pennsylvania Hall
Pittsburgh, Pennsylvania 15260
Program Director: E.B. Anderson, MA, RRA
Prereq: 2 yrs Coll **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** $745 Res $1490 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982

York Hospital
1001 S. George St.
York, Pennsylvania 17405
Program Director: C.D. Erhard, RRA
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Jan **Length:** 24 mos **Tuition:** $3200 **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

PUERTO RICO

University of Puerto Rico, Medical Science Campus
G.P.O. Box 5067
Rio Piedras, Puerto Rico 00936
Medical Director: A. Torras, DDM
Program Director: A.G. Hestres, MPH,RRA
Prereq: Degree **Class Cap.:** 15 **Begins:** Aug **Length:** 11 mos **Tuition:** $730 **Awards:** Cert. **Next Survey:** 1981

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Program Director: M. Cash, BS, RRA
Prereq: 2 yrs Coll **Class Cap.:** 15 **Begins:** Jun **Length:** 21 mos **Tuition:** $880 YrRes $1760 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

TENNESSEE

The University of Tennessee Center for the Health Sciences
62 South Dunlap
Memphis, Tennessee 38163
Program Director: M. Corrington, RRA
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $150 Qtr Res$462 Non-Res **Awards:** B.S. **Next Survey:** 1978

TEXAS

Texas Woman's University
Box 23925, TWU Station
Denton, Texas 76204
Program Director: M. Ford, RRA
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $4 Sem Hr Res $40 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Program Director: B.A. Ripple, RRA
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. **Next Survey:** 1980

Incarnate Word College
4301 Broadway
San Antonio, Texas 78209
Program Director: B.O. James, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug **Length:** 48 mos **Tuition:** $64 Sem Hr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

WASHINGTON

Seattle University
12th & East Columbia St.
Seattle, Washington 98122
Director: K.A . Waters, RRA
Prereq: H.S. **Class Cap.:** 45 **Begins:** Fall-Spg **Length:** 48 mos **Tuition:** $620 Qtr **Awards:** B.S. **Next Survey:** 1980

WISCONSIN

Viterbo College
815 South 9th St.
La Crosse, Wisconsin 54601
Director: L. Hess, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 48 mos **Tuition:** $2990 Yr-Coll **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979

University of Wisconsin-Milwaukee
P. O. Box 413
Milwaukee, Wisconsin 53201
Program Director: J.W. Berkbuegler, MA, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** Univ. **Awards:** Degre **$Aid:** Scholarship

Medical Record Technician

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Program Director: S.S. Grostick, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $75 **Awards:** A.S. **Next Survey:** 1979

Wallace State Community College
P.O. Box 250
Hanceville, Alabama 35077
Program Director: Sr. R. Wantuck, RRA
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $75 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

ARIZONA

Phoenix College
1202 W. Thomas Rd.
Phoenix, Arizona 85013
Program Director: V. Haugen, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1981

CALIFORNIA

Cypress College
9200 Valley View St.
Cypress, California 90630
Program Director: O.F. Pearson, RRA
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. **Next Survey:** 1983

Chabot College
25555 Hesperian Blvd.
Hayward, California 94545
Program Director: P. Cortessis, RRA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 18 mos **Tuition:** None **Awards:** A.A. **Next Survey:** 1980

East Los Angeles College
1301 Brooklyn
Monterey Park, California 91754
Program Director: L.T. Davidson, RRA
Prereq: H.S. **Class Cap.:** 75 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980

San Diego Mesa College
7250 Mesa College Dr.
San Diego, California 92111
Program Director: M.L. Johns
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** None $31 SemNon-Res **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

City College of San Francisco
50 Phelan Ave.
San Francisco, California 94112
Program Director: B.J. Biles, RRA
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep-Feb **Length:** 24 mos **Tuition:** $510 Sem Non-Res **Awards:** A.S. **Next Survey:** 1979

West Valley Joint Community College Dist.
14000 Fruitvale Ave.
Saratoga, California 95070
Program Director: R.S. Foggiato, RRA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Fall **Length:** 18 mos **Tuition:** None **Awards:** A.S. **Next Survey:** 1983

COLORADO

Arapahoe Community College
5900 South Santa Fe
Littleton, Colorado 80120
Educational Coordinator: K. Hardenbrook, RRA
Program Director: E. Dion, RN, MS
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 18 mos **Tuition:** $132 QtRes $484 Non-Res **Awards:** A.D. **$Aid:** Scholarship **Next Survey:** 1980

FLORIDA

Miami-Dade Community College
11011 S.W. 104th St.
Miami Beach, Florida 33176
Program Director: W.D. Worley, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** $14 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980

GEORGIA

Dalton Junior College
P.O. Box 2168
Dalton, Georgia 30720
Educational Coordinator: R.L. Little
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $116 Qtr Res$168 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981

IDAHO

Boise State University
1910 University Dr.
Boise, Idaho 83725
Program Director: E. Rockne, RRA
Program Director: C. Seddon, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $225 Sem Res$825
Non-Res **Awards:** A.S. **$Aid:** Scholarship
Next Survey: 1981

ILLINOIS

Belleville Area College
2500 Carlyle Rd.
Belleville, Illinois 62221
Program Director: P. Allen, RRA
Prereq: H.S. **Class Cap.:** 26 **Begins:** Aug
Length: 24 mos **Tuition:** $13 SemHr Res $35
Non-Res **Awards:** A.A.S. **Next Survey:** 1980

Central YMCA Community College
211 W. Wacker Dr.
Chicago, Illinois 60606
Director: D.J. Tyler, RRA
Educational Coordinator: D.J. Tyler, RRA
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep
Length: 22 mos **Tuition:** $55 Cr Hr **Awards:**
A.S. **$Aid:** Scholarship **Next Survey:** 1980

Illinois Central College
Health-Math-Science Division
East Peoria, Illinois 61635
Program Director: J. Haupt, RRA
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug
Length: 18 mos **Tuition:** $12 Cr Hr Res $42
Non-Res **Awards:** A.A.S. **$Aid:**
Scholarship **Next Survey:** 1981

College of Lake County
19351 W. Washington St.
Grayslake, Illinois 60030
Program Director: Sr. S. Plevak, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep
Length: 24 mos **Tuition:** $15 Sem Hr **Awards:**
A.A.S. **Next Survey:** 1980

Oakton Community College
7900 N. Nagle
Morton Grove, Illinois 60053
Program Director: M.R. Marx, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug
Length: 24 mos **Tuition:** $790 **Awards:**
A.A.S. **Next Survey:** 1983

Moraine Valley Community College
10900 S. 88 Ave.
Palos Hills, Illinois 60465
Program Director: J. Crawley,
Educational Coordinator: C.V. Razor, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug
Length: 22 mos **Tuition:** $12 Hr Res $50 Hr
Non Res **Awards:** A.A.S **$Aid:**
Scholarship **Next Survey:** 1979

INDIANA

Indiana University
3400 Broadway
Gary, Indiana 46408
Program Director: M. Skurka, RRA
Educational Coordinator: S. Wellman, ART
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug
Length: 24 mos **Tuition:** $24 Hr Res/$50 Hr
Non Res **Awards:** A.S. **$Aid:**
Scholarship **Next Survey:** 1981

IOWA

Ottumwa Heights College
Grandview & North Elm
Ottumwa, Iowa 52501
Program Director: Sr. V. Williams, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 24 mos **Tuition:** $1400 **Awards:**
A.A. **Next Survey:** 1979

KANSAS

Hutchinson Community Junior College
1300 N. Plum
Hutchinson, Kansas 67501
Program Director: D. Callen, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug
Length: 21 mos **Tuition:** $10 Cr Hr Res
Awards: A.A. **Next Survey:** 1980

KENTUCKY

Eastern Kentucky University
Richmond, Kentucky 40475
Program Director: E.C. Germann, RRA
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep
Length: 24 mos **Tuition:** $240 **Awards:** A.S.
$Aid: Scholarship **Next Survey:** 1983

MARYLAND

Community College of Baltimore
2901 Liberty Heights Ave.
Baltimore, Maryland 21215
Program Director: M.W. Dunn, BA, RRA
Prereq: H.S. **Class Cap.:** 40 **Begins:** Feb-Sep **Length:** 21 mos **Tuition:** $180 Sem-Res$360 Non-Res **Awards:** A.A. **$Aid:**
Scholarship **Next Survey:** 1980

MASSACHUSETTS

Northern Essex Community College
100 Elliott St.
Haverhill, Massachusetts 01830
Program Director: P.E. Taglianetti, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $200 Sem Res$400 Non
Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980

Holyoke Community College
303 Homestead Ave.
Holyoke, Massachusetts 01040
Educational Coordinator: J.S. Chalmers, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep
Length: 24 mos **Tuition:** $150 Sem **Awards:**
A.S. **Next Survey:** 1980

Massachusetts Bay Community College
50 Oakland St.
Wellesley Hills, Massachusetts 02181
Program Director: G. Berenholz, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug
Length: 24 mos **Tuition:** $150 Sem **Awards:**
A.S. **$Aid:** Scholarship **Next Survey:** 1983

MICHIGAN

Ferris State College
Big Rapids, Michigan 49307
Program Director: M. Neterer, RRA
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 18 mos **Tuition:** $268 Qt Res $633
QtNon Res **Awards:** A.A.S **Next Survey:**
1983

Henry Ford Community College
5101 Evergreen Rd.
Dearborn, Michigan 48128
Program Director: B.L. Reynolds, RRA
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep
Length: 24 mos **Tuition:** $12 Cr Hr Res $21 Cr
Non-Res **Awards:** A.S. **$Aid:** Scholarship
Next Survey: 1979

Mercy College of Detroit
8200 W. Outer Dr.
Detroit, Michigan 48219
Program Director: P.Mc. Oliver
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $1090 Sem **Awards:**
A.S. **$Aid:** Scholarship **Next Survey:** 1981

Wayne County Community College
4612 Woodward Ave.
Detroit, Michigan 48201
Program Director: C. White, RRA
Prereq: H.S. **Begins:** Fall **Length:** 24 mos
Tuition: $14 Cr Hr **Awards:** A.S. **$Aid:**
Scholarship **Next Survey:** 1980

Schoolcraft College
18600 Haggerty Rd.
Livonia, Michigan 48151
Medical Director: H.H. Sattig, RN
Program Director: P. Rubio, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug
Length: 16 mos **Tuition:** $16 In-Dist$26 Out-Dis **Awards:** A.A.S. **Next Survey:** 1979

MINNESOTA

Anoka-Hennepin Area Vocational-Technical Institute
Box 191
Anoka, Minnesota 55303
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep
Length: 24 mos **Tuition:** $500 Yr **Awards:**
A.A.S.A.A. **Next Survey:** 1982

St. Mary's Junior College
2500 S. Sixth St.
Minneapolis, Minnesota 55454
Program Director: J. Odegaard, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 18 mos **Tuition:** $696 Qtr **Awards:**
A.A.S. **$Aid:** Scholarship **Next Survey:** 1983

MISSISSIPPI

Hinds Junior College
Raymond Campus
Raymond, Mississippi 39154
Program Director: G. Green, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug
Length: 24 mos **Tuition:** $140 Sem **Awards:**
A.A: **Next Survey:** 1981

NEW JERSEY

Union County Technical Institute
1776 Raritan Rd.
Scotch Plains, New Jersey 07076
Program Director: M.G. Hayes, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 12 mos **Tuition:** $500 Yr **Awards:**
A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

NEW YORK

SUNY, Agricultural & Technical College
Alfred, New York 14802
Program Director: M. Johns, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 21 mos **Tuition:** $750 YrRes $1200
Non-Res **Awards:** A.A.S. **$Aid:**
Scholarship **Next Survey:** 1978

Broome Community College
P. O. Box 1017.
Binghamton, New York 13902
Program Director: M. Rosato, RRA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 21 mos **Tuition:** $350 Sem-Res$700
Non-Res **Awards:** A.A.S. **$Aid:**
Scholarship **Next Survey:** 1979

Borough of Manhattan Community College
1633 Broadway
New York, New York 10019
Program Director: B. Ifwerstrom, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep
Length: 24 mos **Tuition:** $388 Sem Res$713
Non-Res **Awards:** A.A.S. **Next Survey:** 1980

Monroe Community College
1000 E. Henrietta Rd.
Rochester, New York 14623
Program Director: R.M. Mathison, RRA
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep
Length: 24 mos **Tuition:** $360 Sem Res$650
Non-Res **Awards:** A.A.S. **Next Survey:** 1980

Rochester Institute of Technology
One Lomb Memorial Dr.
Rochester, N.Y. 14623
Program Director: M. Fowler, RRA
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 20 mos **Tuition:** $1188 **Awards:**
A.A.S. **Next Survey:** 1981

NORTH CAROLINA

Central Piedmont Community College
P.O. Box 4009
Charlotte, North Carolina 28204
Program Director: L. Porter, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep-Apr **Length:** 18 mos **Tuition:** $160 **Awards:**
A.A.S **Next Survey:** 1979

OHIO

Cincinnati Technical College
3520 Central Pkwy.
Cincinnati, Ohio 45223
Program Director: R. Clark, MS,RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep-Jun **Length:** 24 mos **Tuition:** $15 Hr Res $22
Non-Res **Awards:** A.A.S. **$Aid:** Stipend &
Scholarship **Next Survey:** 1979

Cuyahoga Community College
700 Carnegie Avenue
Cleveland, Ohio 44115
Program Director: D. Axthelm, RRA
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 24 mos **Tuition:** $150 Qtr **Awards:**
A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

Sinclair Community College
444 W. Third St.
Dayton, Ohio 45402
Program Director: C.H. Lindberg, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 22 mos **Tuition:** $11 Cr Hr-Res $21 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

Hocking Technical College
Route 1
Nelsonville, Ohio 45764
Program Director: S. Ratigan, RRA
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $215 **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

OREGON

Central Oregon Community College
College Way
Bend, Oregon 97701
Program Director: D.J. Wilde, RRA
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 21 mos **Tuition:** $125 Qt **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982

Portland Community College
12000 S. W. 49th Ave.
Portland, Oregon 97219
Program Director: B.R. Hooten, RRA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep-Jan **Length:** 24 mos **Tuition:** $122 Dist. $26 Hr Non-Dis38 Hr on Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

PENNSYLVANIA

Community College of Philadelphia
34 S. 11th St.
Philadelphia, Pennsylvania 19107
Program Director: R.B. Daniels, MS, RRA
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 12 mos24 mos **Tuition:** $265 Sem Res$795 Non-Res **Awards:** Cert. A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, Pennsylvania 15212
Program Director: J. Avoli, RRA
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $225 Sem Res$450 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979

PUERTO RICO

Puerto Rico Junior College
P.O. Box AE
Rio Piedras, Puerto Rico 00928
Program Director: A.L. Torres, RRA
Prereq: H.S. **Class Cap.:** 40 **Begins:** Aug **Length:** 24 mos **Tuition:** $690 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981

SOUTH DAKOTA

Dakota State College
Madison, South Dakota 57042
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $17 Cr Hr **Awards:** A.S. **Next Survey:** 1980

TENNESSEE

Roane State Community College
Harriman, Tennessee 37748
Program Director: A. Moore, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 21 mos **Tuition:** $252 Yr **Awards:** A.S. **Next Survey:** 1980

TEXAS

Hendrick Medical Center
19th & Hickory Sts.
Abilene, Texas 79601
Program Director: E. Odam, RRA
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 9 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1978

Amarillo College
P.O. Box 447
Amarillo, Texas 79178
Program Director: W.L. Johnston
Educational Coordinator: V. Fidler, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug **Length:** 24 mos **Tuition:** $6 Sem Hr **Awards:** A.S. **Next Survey:** 1980

Tarrant County Junior College
828 Harwood Rd.
Hurst, Texas 76053
Program Director: C.J. Matre, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** N/A **Length:** 24 mos **Tuition:** $4 sem $40 non res **Awards:** A.A.S **Next Survey:** 1981

St. Philip's College
2111 Nevada St.
San Antonio, Texas 78203
Program Director: D.B.C. Villarreal, RRA
Educational Coordinator: P. Powers
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $90 Sem **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

Temple Junior College
2600 S. First St.
Temple, Texas 76501
Program Director: A.D. Courtney, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $4 Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

Wharton County Junior College
911 Boling Hwy.
Wharton, Texas 77488
Program Director: M.W. King, RRA
Prereq: H.S. **Class Cap.:** 48 **Begins:** Sep **Length:** 24 mos **Tuition:** Coll. **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

VIRGINIA

Northern Virginia Community College
8333 Little River Turnpike
Annandale, Virginia 22003
Program Director: S.O. Bailey, RRA
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 Qtr Res$335 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

Central Virginia Community College
PO Box 4098 Fort Hill Station
Lynchburg, Virginia 24502
Educational Coordinator: M. St.Ledger, RRA
Program Director: J.V. Hill, RRA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 Qtr Res$335 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1979

WASHINGTON

Shoreline Community College
16101 Greenwood Ave., N.
Seattle, Washington 98133
Program Director: E.T. Curtis, MEd
Educational Coordinator: R. Regudon, RRA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 18 mos **Tuition:** $95 QtrRes $394 Non-Res **Awards:** A.A.A. **$Aid:** Scholarship **Next Survey:** 1982

Spokane Community College
N. 1810 Greene St.
Spokane, Washington 99207
Program Director: B. Reding, RRA
Educational Coordinator: M.A. Borchers, BSN, MEd
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 18 mos **Tuition:** $102 Qtr Res$396 Non-Res **Awards:** A.A. A.A.S **$Aid:** Scholarship **Next Survey:** 1980

Tacoma Community College
5900 S. 12th St.
Tacoma, Washington 98465
Program Director: C.E. Anderson, RRA
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $92 Qtr **Awards:** A.A. Cert. **$Aid:** Scholarship **Next Survey:** 1981

WEST VIRGINIA

West Virginia Institute of Technology
Montgomery, West Virginia 25136
Program Director: M. Wells, RRA
Prereq: H.S. **Length:** 22 mos **Tuition:** $25 sem **Next Survey:** 1981

WISCONSIN

District One Technical Institute
620 West Clairemont Ave.
Eau Claire, Wisconsin 54701
Program Director: Sr. N. Purtell
Educational Coordinator: A. Bauer
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $9 Cr Hr Dist$28 Non-Res$58 NonSta Res **Awards:** A.A. **Next Survey:** 1983

Moraine Park Technical Institute
235 N. National Avenue
Fond Du Lac, Wisconsin 54935
Program Director: R.H. King, RBA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $9 Cr Hr **Awards:** A.D. **Next Survey:** 1980

Western Wisconsin Technical Institute
Sixth & Vine Sts.
La Crosse, Wisconsin 54601
Program Director: C. Kowal, RRA
Educational Coordinator: M. Hayes
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 20 mos **Tuition:** $751 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981

Medical Technologist

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

Baptist Medical Centers
3201 Fourth Ave., S.
Birmingham, Alabama 35222
Medical Director: C.B. Elliot, MD
Medical Director: H.J. Lohmann, MD
Educational Coordinator: P.S. Crider, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 20 **Begins:** Monthly **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Jacksonville State University, Jacksonville; Mississippi University for Women, Columbus, MS; Samford University, Birmingham; University of Montevallo, Montevallo;Judson College, Marian; Aurburn University;

St. Vincent's Hospital
P.O. Box 915
Birmingham, Alabama 35201
Medical Director: W.N. Pearce, Jr., MD
Educational Coordinator: C.P. DeHart, MT(ASCP)
Prereq: Bacc Degree **Class Cap.:** 8 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: St. Bernard College, Cullman; Troy State Univ., Troy; Univ. of Montevallo, Montevallo; Auburn Univ., Auburn; Jacksonville State Univ., Jacksonville

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Medical Director: G.W. Cole, MD
Program Director: P.A. Amos, MS, MT(ASCP)
Director: G. Woodson, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 12 mos **Tuition:** $210 Qtr Res$420 Non Res **Awards:** B.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: U of A Hospitals; VA Hospital; Jacksor Hospital, Montgomery

Lloyd Noland Hospital
701 Ridgeway Rd.
Fairfield, Alabama 35064
Medical Director: H.G. Davis, Jr, MD
Educational Coordinator: J. Terry MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Feb-Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next**
Next Survey: 1978
Affiliates: Auburn University, Auburn; Troy State University, Troy; University of North Alabama, Florence

Holy Name of Jesus Hospital
600 S. Third St.
Gadsden, Alabama 35902
Medical Director: G.L. Miles, MD
Educational Coordinator: S.M. Graves, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $180 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Jacksonville State University, Jacksonville; St. Bernard College, St. Bernard

Huntsville Cooperative School of Medical Technology
101 Sivley Rd.
Huntsville, Alabama 35801
Medical Director: E.E. Litkenhous, Jr, MD
Program Director: D. Keebler, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of North Alabama, Florence; University of Alabama in Huntsville; Athens College, Athens; St. Bernard College, St. Bernard

Mobile Infirmary
P.O. Box 2144
Mobile, Alabama 36601
Program Director: E.B. Wert, MD
Educational Coordinator: B. Whaley, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978

Providence Hospital
1504 Springhill Ave. PO Box 32
Mobile, Alabama 36601
Program Director: T.D. Davis, MD
Educational Coordinator: E. Trigg, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of South Alabama; University of West Florida, Pensacola, Fla.

University of South Alabama
3062 Medical Science Bldg.
Mobile, Alabama 36688
Medical Director: E.A. Dowling, MD
Program Director: P.C. Covey, PhD
Prereq: 3-4 yrs Coll **Class Cap.:** 14 **Begins:** Sep **Length:** 12 mos **Tuition:** $14 qtrHr
Awards: B.S. Cert **Next Survey:** 1983
Affiliates: University of South Alabama Medical Center;

Montgomery Baptist Hospital
2105 E. South Blvd.
Montgomery, Alabama 36111
Medical Director: R.B. Adams, MD
Educational Coordinator: M.D. Hoots, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 7 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Auburn University, Auburn, Auburn University of Montgomery, Montgomery, Troy State University, Troy;

St. Margaret's Hospital
834 Adams Ave.
Montgomery, Alabama 36101
Medical Director: R.B. Adams, MD
Educational Coordinator: C.O. Reeves
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1980
Affiliates: Troy State University, Troy

Druid City Hospital
809 University Blvd., E.
Tuscaloosa, Alabama 35401
Medical Director: L.C. Koenemann, MD
Educational Coordinator: J. Vetter, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of Alabama in Tuscaloosa; Livingston University, Livingston; Mississippi University for Women, Columbus, Miss.; Mississippi State University, Starkville, Miss.

ARIZONA

Good Samaritan Hospital-Samaritan Health Service
P.O. Box 2989
Phoenix, Arizona 85062
Medical Director: J. Spatara, MD
Program Director: L. Hill, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Jan **Length:** 18 mos **Tuition:** Univ. **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Arizona State University, Tempe;

Maricopa County General Hospital
2601 E. Roosevelt St.
Phoenix, Arizona 85008
Medical Director: R.L. Camponovo, MD
Program Director: F. Prigg, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Arizona State Univ.; Univ. of Arizona, Tucson; Northern Arizona Univ., Flagstaff; St. Francis College, Ft. Wayne, Ind.

University of Arizona
Tucson, Arizona 85724
Medical Director: J. Layton, MD
Program Director: C.W. Patrick, PhD
Educational Coordinator: R. Firebee, PhD
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. **Next Survey:** 1983
Affiliates: University of Arizona Medical Center; Tucson Medical Center; Veteran's Administration Hospital;

ARKANSAS

Antaeus Lineal Research Associates
2470 Old Johnson Rd.
Fayetteville, Arkansas 72701
Medical Director: M.B. Nettleship, MD
Educational Coordinator: C.J. Crook, Ph.D.
Prereq: Degree **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: John Brown University, Siloam Springs; Northeast Louisiana University, Monroe, La.; Missouri Southern College, Joplin, Mo.; Veterans Administration Hosp., Fayetteville; Washington Regional Medical Center

Sparks Regional Medical Center
1311 S. Eye St.
Fort Smith, Arkansas 72901
Program Director: R.G. Girkin, MD
Educational Coordinator: J. Frye, MT(ASCP)
Prereq: 3 yrs. Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Southwestern Oklahoma State Univ., Weatherford, OKla.; Arkansas Polytechnic College, Russellville; College of the Ozarks, Clarksville; Arkansas College, Batesville; Missouri Southern State College, Joplin, Mo.; Northeastern State College, Tahlequah, Okla.

St. Edward Mercy Medical Center
7301 Rogers Ave.
Fort Smith, Arkansas 72903
Medical Director: K. Smith, MD
Educational Coordinator: G. Walker, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** 130 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Arkansas State University, Batesville; College of the Ozarks, Clarksville; University of Arkansas at Little Rock, Little Rock; Arkansas Polytechnic College, Russellville; Southwestern State College, Weatherford, Okla.

Baptist Medical Center
9601 Interstate 630
Little Rock, Arkansas 72201
Medical Director: G.S. Markland, MD
Program Director: G. Runshang, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 13 mos **Tuition:** $230 Sem
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: State College of Arkansas, Conway; Univ. of Arkansas at Little Rock; Southern State College, Magnolia; Henderson State College, Arkadelphia; College of the Ozarks, Clarksville; Arkansas Polytechnic College, Russellville; Harding College, Searcy; Arkansas State Univ., Jonesboro; Alcorn A & M, Lorman, Miss.; William Woods College, Fulton, Mo.; Philander Smith College; Ouachita Baptist Univ., Arkadelphia; John Brown Univ., Siloam Springs

St. Vincent Infirmary
Markham & University Ave.
Little Rock, Arkansas 72201
Medical Director: W.E. Atkinson, MD
Educational Coordinator: F.C. Wishard, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 14 mos **Tuition:** $460 **Awards:** Degree **$Aid:** Stipend **Next Survey:** 1978
Affiliates: U of A at Little Rock; Philander Smith College; College of the Ozarks, Clarksville; State College of Arkansas, Conway; Arkansas State University, Jonesboro; Southern State Univ., Magnolia; Arkansas Polytechnic College, Russellville; Harding College, Searcy; University of Arkansas, Pine Bluff; Little Rock Univ.

University of Arkansas Medical Sciences
4301 W. Markham
Little Rock, Arkansas 72204
Medical Director: R.C. McDaniel, MD
Program Director: B. Shook, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 15 mos **Tuition:** $460 Res $1090 Non-Res **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Arkansas, Fayetteville

Arkansas State University
P.O. Drawer MM
State University, Arkansas 72467
Medical Director: D.B. Vollman, MD
Program Director: J.K. Beadles
Educational Coordinator: S. Richmond, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 17 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Next Survey:** 1983
Affiliates: St. Bernard's Regional Medical Center; Craighead Memorial Hospital; Doctor's Pathology Laboratory, Jonesboro; Community Methodist Hospital, Paragould;

St. Michael's Hospital
315 E. 5th St.
Texarkana, Arkansas 75502
Medical Director: F.E. Joyce, MD
Program Director: Sr. A. Mannion, MT(ASCP)
Educational Coordinator: M. Wilhelm, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Feb-Jul Sep **Length:** 12 mos **Tuition:** None
Awards: B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Southern State College, Magnolia; East Texas State College, Commerce, Tex.; Arkansas College, Batesville.; Northeast Louisiana University, Monroe, La.; Louisiana Tech Univ., Ruston, La.

CALIFORNIA

California State College
9001 Stockdale Hwy.
Bakersfield, California 93309
Medical Director: T. Rogers, MD
Program Director: B. Yearout, MT(ASCP)
Educational Coordinator: R. Nemergut, MT(ASCP)
Educational Coordinator: S. Roberts, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 18 **Begins:** Sep **Length:** 9 mos **Tuition:** $1710 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Kern Medical Center; Greater Bakersfield Community Hospital; San Joaquin Community Hospital; Physician's Auto Lab, Inc.;

Mercy Hospital
2215 Truxtun Ave.
Bakersfield, California 93301
Medical Director: E.W. Michelsen, MD
Educational Coordinator: S. Moore, MS, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** None **$Aid:** Stipend **Next Survey:** 1978

St. Joseph Medical Center
Buena Vista & Alameda Sts.
Burbank, California 91505
Medical Director: R.E. Horowitz, MD
Educational Coordinator: G.L. Wiesneth, BA MS MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Peninsula Hospital & Medical Center
1783 El Camino Real
Burlingame, California 94010
Medical Director: J.W. Swift, MD
Program Director: H.R. Smith, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

City of Hope Medical Center
1500 E. Duarte Rd.
Duarte, California 91010
Medical Director: Wm.C. Maslow, MD
Program Director: C.M. Day, MS, MA
Prereq: 4 Yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $3700 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Whittier College, Whittier

El Cajon Valley Hospital
1688 E. Main St.
El Cajon, California 92021
Medical Director: S. Southwick, MD
Educational Coordinator: R.E. Jolly, MT(ASCP)
Prereq: Degree **Class Cap.:** 4 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Fresno Community Hospital
Fresno & R Sts.
Fresno, California 93721
Medical Director: E.J. Hendricks, MD
Educational Coordinator: P.J. McKernan, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

St. Jude Hospital & Rehabilitation Center
101 E. Valencia Mesa Dr.
Fullerton, California 92635
Medical Director: T.E. Jones, MD
Educational Coordinator: P. Broden, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Centinela Hospital Medical Center
555 E. Hardy St.
Inglewood, California 90301
Medical Director: T.J. Bassler, MD
Program Director: J.R. McGrath, MD
Educational Coordinator: J. Goffeau, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Daniel Freeman Memorial Hospital
333 N. Prairie Ave.
Inglewood, California 90301
Medical Director: E.B. Reilly, MD
Educational Coordinator: M. Koenig, MT(ASCP)
Prereq: Degree **Class Cap.:** 4 **Begins:** Jan-Feb Jul-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Scripps Memorial Hospital
9888 Genesee Ave.
La Jolla, California 92037
Medical Director: P.L. Gausewitz, MD
Educational Coordinator: M.H. Lewis, MT(ASCP)
Prereq: Degree **Class Cap.:** 8 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Grossmont District Hospital
5565 Grossmont Ctr. Dr.
La Mesa, California 92041
Medical Director: W.C. Herrick, MD
Educational Coordinator: C.K. Wedberg, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 7 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Loma Linda University
Loma Linda, California 92350
Medical Director: R.E. Moncrieff, MD
Program Director: R.W. Hubbard, PhD, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 30 **Begins:** Oct **Length:** 18 mos **Tuition:** $3315 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: Loma U Medical Center,J.L. Petiis Memorial Vet's Hospital; Blood Bank of San Bernadino-Riverside City, S.B.;

Memorial Hospital Medical Center of Long Beach
2801 Atlantic Ave.
Long Beach, California 90801
Medical Director: E.R. Jennings, MD
Educational Coordinator: L.P. Lehman, MT(ASCP)MA
Prereq: 4 yrs Coll **Class Cap.:** 14 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: California State University, Carson;

St. Mary Medical Center-Bauer Hospital
1050 Linden Ave.
Long Beach, California 90801
Medical Director: T. Kiddie, MD
Educational Coordinator: M.L. Forgiarini, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Oregon Technical Institute, Klamath Falls, Ore.

Veterans Administration Hospital
5901 E. 7th St.
Long Beach, California 90822
Program Director: I.M. Reingold, MD
Program Director: G.S. Ascher, MD
Educational Coordinator: R.A. Kirby, MT(ASCP)
Prereq: 4 Yrs Coll **Class Cap.:** 16 **Begins:** Qtrly **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: California State University

Cedars-Sinai Medical Center
8700 Beverly Blvd.
Los Angeles, California 90048
Program Director: S. Lee, MD
Educational Coordinator: J. Shirley, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Childrens Hospital of Los Angeles
4650 Sunset Blvd.
Los Angeles, California 90054
Medical Director: A.I. Lipsey, MD
Educational Coordinator: J. A. Streaty, MT(ASCP)
Prereq: Degree **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Clinical Lab. Medical Group & Affiliated Hospitals
2222 Ocean View Ave.
Los Angeles, California 90057
Program Director: H.S. Aijian, MD
Educational Coordinator: V.G. Adams, MT(ASCP)
Prereq: Degree **Class Cap.:** 17 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Hollywood Presbyterian Medical Center
1300 North Vermont Ave.
Los Angeles, California 90027
Program Director: L.B. Yip, MD
Educational Coordinator: R.A. Suggs, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Los Angeles County-USC Medical Center
1200 N. State St.
Los Angeles, California 90033
Medical Director: S.T. Shaw, Jr, MD
Educational Coordinator: P. Nopper, MT(ASCP))
Prereq: 4 yrs Coll **Class Cap.:** 50 **Begins:** Jan-Apr Jul-Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Martin Luther King, Jr. General Hospital
12021 S. Wilmington Ave.
Los Angeles, California 90059
Program Director: E. Amador, MD
Educational Coordinator: K. Bozarth, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **$Aid:** Stipend **Next Survey:** 1978

UCLA Center for the Health Sciences
10833 Le Conte Ave.
Los Angeles, California 90024
Program Director: G. Smith, MD
Educational Coordinator: V. Meyer, MT(ASCP)
Prereq: Degree **Class Cap.:** 11 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

Veterans Administration-Wadsworth Hospital Center
Wilshire & Sawtelle Blvds.
Los Angeles, California 90073
Program Director: B.G. Fishkin, MD
Educational Coordinator: E.J. Kaupp, MT(ASCP)CT
Prereq: U.S. Citizen Bacc Degree **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

White Memorial Medical Center
1720 Brooklyn Ave.
Los Angeles, California 90033
Medical Director: G. Kypridakis, MD
Program Director: S.J. Whang, MD
Educational Coordinator: K.R. Stilson, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Pacific Union College, Angwin

Veterans Administration Hospital
150 Muir Rd.
Martinez, California 94553
Program Director: I. Sanford, MD
Educational Coordinator: J. Knight, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** 10/1 **Length:** 12 mos **Tuition:** No **Awards:** Cert. **Next Survey:** 1982
Affiliates: Children's Hospital, Oakland;

Stanislaus School of Medical Technology
P.O. Box 4140
Modesto, California 95352
Program Director: R.W. Purvis, MD
Educational Coordinator: M. Moore, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Aug-Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Scenic General Hospital; Memorial Hospital

El Camino Hospital
2500 Grant Rd.
Mountain View, California 94042
Program Director: F.A. Fox, MD
Educational Coordinator: H.L. Beam, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $184 **Awards:** Cert. **Next Survey:** 1979
Affiliates: San Jose State University, San Jose;

Kaiser Foundation Hospital
280 W. Mac Arthur Blvd.
Oakland, California 94611
Program Director: N.L. Morgenstern, MD
Educational Coordinator: M.A. Tischler, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

St. Joseph Hospital
1100 Stewart Dr.
Orange, California 92668
Program Director: J.B. Tully, MD
Educational Coordinator: M.A. Kovach, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Hospital-Pathologist Central Laboratory of Orange County, Garden Grove;

University of California/Irvine Medical Center
101 City Dr., S.
Orange, California 92668
Program Director: P.J. Valter, MD
Educational Coordinator: M. Jacobson, MT(ASCP)
Medical Director: H. Pirkle, MD
Prereq: 4 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Huntington Memorial Hospital
100 Congress St.
Pasadena, California 91105
Medical Director: C.E. Marshall, MD
Educational Coordinator: C. Ward, MT(ASCP)
Program Director: J. Thiessen, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Oregon Institute of Technology, Klamath Falls, Ore.

St. Luke Hospital
2632 E. Washington Blvd.
Pasadena, California 91107
Program Director: J. Craig, MD
Educational Coordinator: K.A. Clark, MT(ASCP)
Prereq: Degree **Class Cap.:** 5 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

South Bay Hospital
514 N. Prospect Ave.
Redondo Beach, California 90277
Program Director: J.R. Mc Grath, MD
Educational Coordinator: M. Kameya, MS, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 2 **Begins:** Feb **Length:** 12 mos **Tuition:** None **$Aid:** Stipend **Next Survey:** 1978

Sutter Community Hospitals
2820 L St.
Sacramento, California 95816
Program Director: F. Glassy, MD
Educational Coordinator: J.L. Adams, MT(ASCP)
Prereq: Degree **Class Cap.:** 14 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

University of California, Davis Medical Center, Sacramento
2315 Stockton Blvd.
Sacramento, California 95817
Program Director: A. Lewis, MD
Educational Coordinator: M. Kunkel, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Aug-Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Sacramento Medical Center

Natividad Medical Center
1330 Natividad Rd. PO Box 1611
Salinas, California 93902
Medical Director: J. Daniels, MD
Program Director: J. Daniels, MD
Educational Coordinator: J.R. Fleming, MT(ASCP)
Prereq: 4 Yrs Coll **Class Cap.:** 3 **Begins:** Aug **Length:** 12 mos **Tuition:** N/A **Awards:** Cert. **Next Survey:** 1978

San Bernardino County Medical Center
780 E. Gilbert St.
San Bernardino, California 92404
Program Director: H. Braunstein, MD
Educational Coordinator: L.A. Angeli, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Donald N. Sharp Memorial Hospital
7901 Frost St.
San Diego, California 92123
Program Director: H.R. Irwin, MD
Educational Coordinator: K.H. Shea, MT(ASCP)
Prereq: Degree **Class Cap.:** 24 **Begins:** Feb-Jul Sep **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: VA Hospital Laboratory, La Jolla; San Diego Institute of Patology, Medical Group, Inc;

Mercy Hospital & Medical Center
4077 Fifth Ave.
San Diego, California 92103
Program Director: J. L. Heard, MD
Educational Coordinator: N.O. Foltz, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 15 **Begins:** Jul-Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Children's Hospital of San Francisco
3700 California St.
San Francisco, California 94118
Program Director: L. Komarmy, MD
Educational Coordinator: C. Howe, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Kaiser-Permanente Medical Center
2425 Geary Blvd.
San Francisco, California 94115
Medical Director: M.L. Bassis, MD
Educational Coordinator: K. Ponting, MPH, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Mt. Zion Hospital & Medical Center
1600 Divisadero St.
San Francisco, California 94115
Program Director: F.R. Elevitch, MD
Educational Coordinator: A.H. Sheena, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

St. Luke's Hospital
3555 Army St.
San Francisco, California 94110
Program Director: M.B. Black, MD
Educational Coordinator: B.W. Thompson, MT(ASCP)
Prereq: Degree **Class Cap.:** 5 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

San Jose Hospital & Health Center, Inc.
675 E. Santa Clara St.
San Jose, California 95114
Medical Director: P.J. Vincent, MD
Educational Coordinator: K. Minshull, MT(ASCP)
Prereq: Degree **Class Cap.:** 8 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Oregon Institute of Technology, Klamath Falls, Ore.

Santa Clara Valley Medical Center
751 S. Bascom Ave.
San Jose, California 95128
Program Director: R.S. Cox, Jr, MD
Educational Coordinator: J. Mukuno, MA, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** $82 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: California State University at San Jose

Mills Memorial Hospital
100 S. San Mateo Dr.
San Mateo, California 94401
Program Director: R.O. Holmes, MD
Educational Coordinator: M. Mellor, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Santa Barbara Cottage Hospital
P.O. Box 689, Pueblo & Bath St
Santa Barbara, California 93102
Program Director: W.E. Carroll, MD
Educational Coordinator: F. Kenworthy, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 13 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

Santa Monica Hospital Medical Center
1225 15th St.
Santa Monica, California 90404
Program Director: T. Akiyama, MD
Educational Coordinator: M.E. Bennett, MT(ASCP)
Prereq: Degree **Class Cap.:** 3 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

St. John's Hospital and Health Center
1328 22nd St.
Santa Monica, California 90404
Program Director: R.A. Cullen, MD
Educational Coordinator: F.T. Larkin, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** Jul-Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

San Joaquin General Hospital
Box 1020
Stockton, California 95201
Program Director: R.F. Chard, MD
Educational Coordinator: S. M. Loomans, MT(ASCP)
Prereq: Degree **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Little Company of Mary Hospital
4101 Torrance Blvd.
Torrance, California 90503
Program Director: J.R. Mc Grath, MD
Educational Coordinator: Sr. G. Harper, MT(ASCP)
Medical Director: J.C. Roberts, MD
Prereq: 4 yrs Coll **Class Cap.:** 4 **Begins:** Jul-Sep **Length:** 12 mos **Tuition:** None **$Aid:** Stipend **Next Survey:** 1980

Los Angeles County-Harbor General Hospital
1000 W. Carson St.
Torrance, California 90509
Program Director: R.J. Morin, MD
Educational Coordinator: B.L. Dickhart, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 20 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

CANAL ZONE

Gorgas Hospital
P.O. Box '0'
Balboa Heights, Canal Zone 00101
Medical Director: A.K. Huffaker, MD
Educational Coordinator: R.A. Barragan, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Canal Zone College, Balboa

COLORADO

Memorial Hospital
1400 E. Boulder St.
Colorado Springs, Colorado 80909
Medical Director: A.M. Clark, MD, PhD
Educational Coordinator: N. Babish, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** 1200 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: Colorado College; Mankato State College, Mankato, Minn.; North Dakota State Univ., Fargo, N. Dak.; South Dakota State Univ., Brookings, S. Dak.; Northern Arizona University, Flagstaff, Ariz.; Fort Lewis College, Durango; Univ. of Southern Colorado, Pueblo

Penrose Hospital
2215 N. Cascade Ave.
Colorado Springs, Colorado 80907
Medical Director: M. Berthrong, MD
Educational Coordinator: Sr. R.V. Brown, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Colorado College; Southern Colorado State College, Pueblo; University of Utah, Salt Lake City, Utah; South Dakota State Uni- versity, Brookings, S. Dak.; North Dakota State University, Fargo, N. Dak.; Northern Arizona University, Flagstaff, Ariz.; University of Wyoming, Laramie, Wyoming; Moorhead State College, Moorhead, Minn.; New Mexico Highlands University, Las Vegas N.M.; Colorado State University, Fort Collins

St. Francis Hospital
800 E. Pikes Peak Ave.
Colorado Springs, Colorado 80906
Program Director: R.W. Urich, MD
Educational Coordinator: M.J. Minsky, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Mercy Medical Center
1619 Milwaukee St.
Denver, Colorado 80206
Program Director: E. Poulsom, MD
Educational Coordinator: A. Morton, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $200 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Regis College; Univ. of Northern Colorado, Greeley; Northern Arizona University, Flagstaff, Ariz.; College of Idaho, Caldwell, Idaho; Metropolitan State College; North Dakota State Univ., Fargo, N. Dak.; Univ. of South Dakota, Vermillion, S. Dak.; College of Great Falls, Great Falls

St. Anthony Hospital Systems
4231 W. 16th Ave.
Denver, Colorado 80204
Program Director: R.E. Herrmann, MD
Educational Coordinator: J.K. Bell, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Colorado State University, Fort Collins

St. Joseph Hospital
1835 Franklin St.
Denver, Colorado 80218
Program Director: E.P. Barlock, MD
Educational Coordinator: J.A. Schwartz, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Metropolitan State College; Southern Colorado State College, Pueblo; South Dakota State University, Brookings, S. Dak.; Carroll College, Helena, Mont; Northern Arizona University, Flagstaff, Arizona; University of Wyoming, Laramie, Wyoming; Bowling Green State Universiry, Bowling Green, Ohio; Reigis College

St. Luke's Hospital
601 E. 19th Ave.
Denver, Colorado 80203
Medical Director: K.R. Holloman, MD
Program Director: E.P. Elzi, MD
Educational Coordinator: C. Mc Bain, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: Colorado State University, Fort Collins

University of Colorado Medical Center
4200 E. Ninth Ave.
Denver, Colorado 80262
Medical Director: R.D. Hamstra, MD
Program Director: R.A. Bronstein, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 30 **Begins:** Jun **Length:** 12 mos **Tuition:** $1208 Qtr Res$4835 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978

Weld County General Hospital
16th St. at 17th Ave.
Greeley, Colorado 80631
Program Director: J. Weil, MD
Educational Coordinator: S.R. Borthick, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. Cert. **Next Survey:** 1978
Affiliates: University of Northern Colorado

Parkview Episcopal Hospital
400 W. 16th St.
Pueblo, Colorado 81003
Medical Director: D. Baitlon, MD
Educational Coordinator: R.W. Simpson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Adams State College, Alamosa; USC, Pueblo;

St. Mary Corwin Hospital
1008 Minnequa Ave.
Pueblo, Colorado 81004
Medical Director: J.J. Howe, MD
Educational Coordinator: B. Bregenzer, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Southern Colorado State College; Adams State College, Alamosa; South Dakota State Univ., Brookings, S. Dak.; Western Colorado State College, Gunnison

CONNECTICUT

Bridgeport Hospital
267 Grant St.
Bridgeport, Connecticut 06602
Program Director: R.H. Pope, MD
Educational Coordinator: J. DiChiara, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Bridgeport; University of Connecticut, Storrs; Quinnipiac College, Hamden; Central Connecticut State College, New Britian; Western Connecticut State College, Danbury; Vermont College, Montpelier, VT;

St. Vincent's Medical Center
2800 Main St.
Bridgeport, Connecticut 06606
Program Director: D.H. Lobdell, MD
Educational Coordinator: B.L. Garrick, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 21 **Begins:** Jun-Oct **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: University of Bridgeport; Quinnipiac College, Hamden; University of Connecticut, Storrs

Danbury Hospital
24 Hospital Ave.
Danbury, Connecticut 06810
Medical Director: N.E. Herrera, MD
Program Director: C.A. Tully, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 13 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Bridgeport, Bridgeport; Quinnipiac College, Hamden; University of Connecticut, Storrs; Springfield College, Springfield, Mass.; Western Connecticut State College, Danbury

Hartford Hospital
80 Seymour St.
Hartford, Connecticut 06115
Medical Director: H. Silver, MD
Program Director: E. Scholtz, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jun **Length:** 12 mos **Tuition:** 100 **Awards:** B.A. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of Connecticut, Storrs; Quinnipiac College, Hamden; Saint Joseph College West Hartford; Colby College of New Hampshire

Yale-New Haven Hospital
789 Howard Ave.
New Haven, Connecticut 06504
Program Director: D. Seligson, MD
Educational Coordinator: S.S. Katz, MA
Prereq: 3-4 yrs Coll **Class Cap.:** 16 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Quinnipiac College, Hamden; University of Connecticut, Storrs; Colby Junior College, New London, N.H.

Norwalk Hospital
24 Stevens St.
Norwalk, Connecticut 06856
Medical Director: A.C. Noto, MD
Educational Coordinator: D.D. Mc Iver, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Quinnipiac College, Hamden; University of Connecticut, Storrs; Salve Regina College, Newport, R.I.

St. Joseph Hospital
128 Strawberry Hill Ave.
Stamford, Connecticut 06904
Medical Director: P.A. Broderick, MD
Educational Coordinator: Sr. V. Boyd, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Quinnipiac College, Hamden; University of Connecticut, Storrs

St. Mary's Hospital
56 Franklin St.
Waterbury, Connecticut 06702
Program Director: D.F. Miller, MD
Educational Coordinator: C.R. Shukis, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Quinnipiac College, Hamden; University of Connecticut, Storrs; Anna Marie College, Paxton, Mass.; Eastern State College of Connecticut, Willimantic; College of Our Lady of the Elms, Chicopee, Mass.; Mt. St. Mary College, Newberry, N.Y.; Western State College of Connecticut, Danbury; Central State ollege of Connecticut, New Britain; St. Joseph College, West Hartford

The Waterbury Hospital
64 Robbins St.
Waterbury, Connecticut 06720
Program Director: R.K. Gilbert, MD
Educational Coordinator: M.C. Sullivan, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Western Connecticut State College, Danbury; Quinnipiac College, Hamden; University of Connecticut, Storrs; Anna Marie College, Paxton, Mass.; University of Bridgeport, Bridgport

DELAWARE

University of Delaware
117 Wolf Hall
Newark, Delaware I9711
Medical Director: J.F. Reamer, MD
Program Director: A.W. Clark MS, MT(ASCP)
Educational Coordinator: H.L. Tang, MT(ASCP)
Prereq: Univ. Req. **Class Cap.:** 26 **Begins:** Sep **Length:** 21 mos **Tuition:** Univ. **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: V.A. Center, Elsmer; Milford Memorial Hospital, Milford; Wilmington Medical Center, Wilmington; Kent General Hospital, Dover; Sacred Heart General Hospital, Chester, Pa.; Chester County Hospital, West Chester, Pa.

WASHINGTON, D.C.

George Washington University, School of Medicine
2300 Eye St., N.W.
Washington, D.C. 20037
Program Director: S. Silver, DA, MTS
Educational Coordinator: K. Fischer, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $3000 Yr
Awards: B.S. Cert. **Next Survey:** 1978
Affiliates: George Washington University

Malcolm Grow USAF Medical Center
Andrews Air Force Base, Maryland 20331
Medical Director: R.S. Bennett Jr. MD
Program Director: Lt. Col. R.G. Schmitt, USAF, B
Educational Coordinator: TSGF G.E. Hughes, HEW/PHS
Prereq: Degree Military **Class Cap.:** 10 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Oscar B. Hunter Memorial Laboratory
1726 Eye St. N.W.
Washington, D.C. 20006
Program Director: O.B. Hunter, Jr., MD
Educational Coordinator: M.C. Gross, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 18 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **Next Survey:** 1978
Affiliates: American University; Trinity College

The Catholic University of America
620 Michigan Avenue, NE
Washington, D.C. 20064
Medical Director: C.R. Matta, MD
Program Director: B.J. Howard, MTS, MT(ASCP)
Educational Coordinator: W. Roguski, MT(ASCP)MS
Prereq: 3-4 yrs Coll **Class Cap.:** 16 **Begins:** Aug **Length:** 12 mos **Tuition:** $3450 **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Providence Hospital; Washington Hospital Center, Children's Hospital, Wash., D.C.

Walter Reed Medical Center
6825-16th St.
Washington, D.C. 20012
Medical Director: Col. T.F. Zuck, MD
Educational Coordinator: J.L. Wearnr, MT(ASCP)
Prereq: Bacc. Degree Military Only **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Washington Hospital Center
110 Irving St., N.W.
Washington, D.C. 20010
Program Director: V.E. Martens, MD
Educational Coordinator: C. D. Taylor, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Catholic University of America; Trinity College; Mount Saint Mary's College, Emmetsburg, Md.

FLORIDA

Florida Atlantic University
Glades Road
Boca Raton, Florida 33432
Medical Director: G. Cuevas
Program Director: S.F. Clark, PhD
Educational Coordinator: C.L. Butler, MT(ASCP)
Class Cap.: 20 **Tuition:** None **Awards:** None **Next Survey:** 1983
Affiliates: J.F. Kennedy Memorial Hospital, Atlantis; Bethesda Memorial Hospital, Boynton Beach; Boca Raton Community Hospital; Imperial Point Hospital, Imperial; University Community Hospital, Tamarac; Holy Cross Hospital, Ft. Lauderdale; Plantation General Hospital, Plantation; Memorial Hospital, Hollywood; North Broward Hospital, Pompano Beach;

University of Florida
J. Hillis Miller Hlth Ctr-Box
Gainesville, Florida 32610
Medical Director: K.K. Pierson, MD
Program Director: M.S. Britt, MS, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** Univ. **Awards:** B.S. **Next Survey:** 1978
Affiliates: Veterans Administration Hospital; Alachua General Hospital;

Baptist Memorial Hospital
800 Prudential Dr.
Jacksonville, Florida 32207
Medical Director: B. Vitsky, MD
Program Director: G. Atz, MS, MT(ASCP)
Educational Coordinator: M.A. Painter, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Jacksonville University; Stetson University, De Land, Florida State University, Tallahassee; Univ. of S. Florida, Tampa;

St. Vincent's Medical Center
1800 Barrs St.
Jacksonville, Florida 32204
Program Director: M.C. Patterson, MD
Educational Coordinator: E.M. Seymore, MeD, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978

University Hospital of Jacksonville
655 W. Eighth St.
Jacksonville, Florida 32209
Program Director: N.M. Hardy, MD
Educational Coordinator: .E.R. Kirkpatrick, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Jacksonville University;

Lakeland General Hospital
1400 Lakeland Hills Blvd.
Lakeland, Florida 33802
Program Director: J.L. Holimon, MD
Educational Coordinator: E.P. Luce, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** Varies **Awards:** B.S. **Next Survey:** 1978
Affiliates: UOSF, Tampa; Florida Tech U, Orlando; Florida Southern Coll; UOT, Tampa; R.P. Tew Memorial Blood Center;

Florida International University
Tamiami Trail at S.W. 107th St
Miami, Florida 33199
Medical Director: D.L. Seckinger, MD
Program Director: M.E. Waid, MD
Educational Coordinator: J.L. Zins, MS, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $17 Qtr Hr Res $52 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Cedars of Lebanon Hosp.; Victoria Hosp.; J. Elliott Blood Bank; Baptist Hosp.; Mercy Hosp.; Coral Gables Hosp., CG;

University of Miami School of Medicine
1611 N.W. 12th Ave.
Miami, Florida 33136
Program Director: J.B. Miale, MD
Educational Coordinator: M. Riekers, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Barry College; Biscayne College; University of Miami, Coral Gables

Variety Children's Hospital
6125 S.W. 31st St.
Miami, Florida 33155
Program Director: E.B. Blum, MD
Educational Coordinator: K. Herzog, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Miami

Mt. Sinai Medical Center
4300 Alton Rd.
Miami Beach, Florida 33140
Program Director: A.M. Rywlin, MD
Educational Coordinator: B.B. Levin, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 15 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: University of Miami, Coral Gables; Barry College, Miami Shores;

Florida Hospital
601 E. Rollins
Orlando, Florida 32803
Medical Director: R.F. Holcomb, MD
Program Director: P.L. Rogers, MT(ASCP)SBB
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** $400 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Florida Tech U; S. Missionary Coll, Collegedale, Tenn; UOSF, Tampa; Stetson U, De Land; SW Union College, Keene, TX Stetson University, Deland

Orlando Regional Medical Center
1414 S. Kuhl Ave.
Orlando, Florida 32806
Program Director: B.C. Willard, Jr, MD
Educational Coordinator: B.J. Wardell, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $250 **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Florida Technological University; University of Southern Florida, Tampa; Florida Southern College, Lakeland; Stetson University, Deland

Baptist Hospital
1000 W. Moreno St.
Pensacola, Florida 32501
Program Director: T.R. Birdwell, MD
Educational Coordinator: K. Bishop, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** Univ. **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of West Florida

Sacred Heart Hospital
5151 N. Ninth Ave.
Pensacola, Florida 32504
Program Director: G.H. Hilbert, MD
Educational Coordinator: M. Presly, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: University of West Florida; St. Leo College, St. Leo; Troy State University, Troy, Ala.; Southern University, Baton Rouge La.; St. Mary's Dominican College, St Leo

Bayfront Medical Center, Inc.
701 Sixth St., S.
St. Petersburg, Florida 33701
Program Director: R.A. Essman, MD
Educational Coordinator: M. Kloth, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: Florida Southern College, Lakeland; St. Leo; Eckerd College; Univ. of Southern Florida, Tampa; Florida Presbyterian College, St. Petersburg; Bethune-Cookman College, Daytona Beach

Tampa General Hospital
Davis Islands
Tampa, Florida 33606
Program Director: I.L. Browarsky, MD
Educational Coordinator: Y. Lima, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of South Florida; University of Tampa; Florida Southern College, Lakeland

St. Mary's Hospital
900 49th St.
West Palm Beach, Florida 33407
Medical Director: J.L. Thatcher, MD
Educational Coordinator: J. Napierkowski, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Palm Beach Atlantic College; University of South Florida, Tampa; University of Miami, Miami; Barry College, Miami

Winter Park Memorial Hospital
200 N. Lakemont Ave.
Winter Park, Florida 32789
Medical Director: D.A. Maurer, MD
Medical Director: C.C. Carleton, MD
Program Director: B. Heinsohn, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Stetson University, De Land; Florida Technological University, Orlando; Jacksonville University, Jacksonville

GEORGIA

Crawford W. Long Memorial Hospital
35 Linden Ave., N.E.
Atlanta, Georgia 30308
Program Director: R.V. Rosvoll, MD
Educational Coordinator: A. Roebuck, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** Univ. **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Georgia State University;

Emory University
Atlanta, Georgia 30322
Medical Director: R.B. Conn, MD
Educational Coordinator: T.Y. Vincent, MT(ASCP)SBB
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $12 QtrHr Res $37 Non-Res **$Aid:** Scholarship **Next Survey:** 1978

Georgia Baptist Hospital
300 Boulevard, N.E.
Atlanta, Georgia 30312
Program Director: R.E. DeLashmutt, MD
Educational Coordinator: J. L. Love, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $10 Hr Res $30 Non Res **Awards:** B.S. Cert. **Next Survey:** 1982
Affiliates: Georgia State University

Georgia State University
University Plaza
Atlanta, Georgia 30303
Medical Director: J.T. Godwin, MD
Program Director: H.M Sottnek, PhD, MT(ASCP)
Educational Coordinator: M.F. Cowart, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Mar **Length:** 24 mos **Tuition:** $600 Yr Res $1850 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Crawford W. Long Memorial Hospital; Georgia Baptist Hospital; St. Joseph's Hospital; Piedmont Hospital, Inc; Grady Memorial Hospital; Emory University Hospital

Grady Memorial Hospital
80 Butler St., S.E.
Atlanta, Georgia 30303
Program Director: V.M. Napoli, MD
Educational Coordinator: K.C. Gregg, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 24 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** $12 Cr Hr Res $37 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Georgia State University

Piedmont Hospital, Inc.
1968 Peachtree Rd., N.W.
Atlanta, Georgia 30309
Program Director: M.D. Vohman, MD
Educational Coordinator: N. King, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: Georgia State University

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Medical Director: C.R. Bairden, MD
Program Director: A.S. Anderson, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $185 Qtr Res$502 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Eugene Talmadge Memorial Hospital; University Hospital; Dwight D. Eisenhower Med. Ctr., Ft. Gordon

Columbus College
Algonquin Dr.
Columbus, Georgia 31907
Medical Director: H.J. Peters, MD
Program Director: M.E. Allen, MT(ASCP)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep **Length:** 48 mos **Tuition:** $165 Sem Res/$403 Non Res **Awards:** B.S. **$Aid:** Scholarship **Prereq:** 2 Yrs Coll **Length:** 24 mos **Tuition:** $165 Qtr Res $403 Non-Res **Next Survey:** 1978
Affiliates: St. Francis Hospital

Georgia College
Milledgeville, Georgia 31061
Medical Director: J.S. Phillips, MD
Program Director: M. Lee, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** None Res $180 Qtr Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Med. Center of Central Georgia, Macon; V.A. Hosp., Dublin; Central State Hosp.

Memorial Medical Center
4700 Waters Avenue
Savannah, Georgia 31404
Medical Director: J.B. Jennings, MD
Program Director: B. Lentz, MT(ASCP)
Educational Coordinator: P. Laun, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 25 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Armstrong State College; Savannah State College; Georgia Southern College, Statesboro

HAWAII

Kaiser Foundation Hospital
1697 Ala Moana Blvd.
Honolulu, Hawaii 96815
Medical Director: A.G. Scottolini, MD
Educational Coordinator: M.C. Nakamura, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: University of Hawaii

Queen's Medical Center
1301 Punchbowl St.
Honolulu, Hawaii 96813
Program Director: D.W. Will, MD
Educational Coordinator: P.A. Sonoda, MS, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: University of Hawaii

St. Francis Hospital
2230 Liliha St.
Honolulu, Hawaii 96817
Program Director: Y.K. Paik, MD
Educational Coordinator: J.C.N. Kuroda, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 10 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Hawaii; Kaiser Foundation Hosp; Queen's Med Ctr; Tripler Army Med Ctr; Blood Bank of Hawaii; HI, Dept of Hlth;

Tripler U.S. Army Medical Center
Tripler AMC, Hawaii 96859
Medical Director: P. Angritt, MD
Program Director: E.G. Eckstein, M.Ed, MT(ASCP)
Prereq: Degree **Class Cap.:** 15 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of Hawaii

IDAHO

St. Alphonsus Hospital
1055 N. Curtis Rd.
Boise, Idaho 83704
Medical Director: M.E. Thomas, MD
Educational Coordinator: S. Perotto, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Boise State University; College of Idaho, Caldwell; University of Idaho, Moscow; Idaho State University, Pocatello; Northwest Nazarene College, Nampa; Washington State Univ., Pullman, Washington

St. Luke's Hospital, LTD. & Mountain States Tumor Institute
190 E. Bannock St.
Boise, Idaho 83702
Medical Director: J.C. Day, MD
Educational Coordinator: E.B. Kopper, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Boise State U; NW Nazarene Coll, Nampa; Coll of Idaho, Caldwell; UOI, Moscow; Idaho State U, Pocatello; Washington State University, Pullman, Washington;

Riverview Facility of the Idaho Falls Consolidated Hospitals
900 Memorial Dr.
Idaho Falls, Idaho 83401
Program Director: T. Mitchell, MD
Educational Coordinator: R. Sherman
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. **Next Survey:** 1978
Affiliates: Idaho State University, Pocatello; Brigham Young University, Provo, Utah; University of Utah, Salt Lake City, Utah; Utah State University, Logan, Utah

Bannock Memorial Hospital
Memorial Dr.
Pocatello, Idaho 83201
Program Director: L.D. Garrison, MD
Educational Coordinator: K. Dalke, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Idaho State University; St. Anthony Community Hospital; Eastern Idaho Pathologist Laboratory;

Magic Valley Memorial Hospital
650 Addison Ave., W.
Twin Falls, Idaho 83301
Program Director: R.H. Maier, MD
Educational Coordinator: D. Canine, MT(ASCP)SM
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Boise State University; Washington State Univ., Pullman, Wash.; Univ. of Wyoming, Laramie

ILLINOIS

St. Elizabeth Hospital
211 S. Third St.
Belleville, Illinois 62221
Program Director: P.J. Soto, Jr, MD
Educational Coordinator: M. Coggeshall, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul-Sep **Length:** 12 mos **Tuition:** $300 **Awards:** B.S. **Next Survey:** 1978
Affiliates: U. of Southern Illinois, Carbondale; Eastern Illinois University, Charleston; Southern Illinois University, Edwardsville; Illinois State University, Normal; College of St. Francis, Joliet; Notre Dame College, St. Louis, Mo.

St. Francis Hospital
12935 S. Gregory St.
Blue Island, Illinois 60406
Program Director: N.J. Averick, MD
Educational Coordinator: Sr. M.P. Hart
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Northern Illinois University, De Kalb; Illinois State University, Normal; Illinois Benedictine College, Lisle; Western Michigan University, Kalamazoo, Mich.

Burnham City Hospital
407 S. Fourth St.
Champaign, Illinois 61820
Program Director: S.J. Bobowksi, MD
Educational Coordinator: M.K. Austin, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Southern Illinois, Carbondale; Eastern Illinois University, Charleston; Illinois State University, Normal; Southern Ill. University, Edwardsville; Monmouth College, Monmouth

Augustana Hospital & Health Care Center
411 W. Dickens Ave.
Chicago, Illinois 60614
Medical Director: A.J. Rabinovitz, MD
Educational Coordinator: G.L. Keegan, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: North Park College; Northeastern Illinois University; Augustana College, Rock Island

Grant Hospital of Chicago
550 W. Webster Ave.
Chicago, Illinois 60614
Program Director: S.S. Barron, MD
Educational Coordinator: K. Taylor, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Northern Illinois University, De Kalb; Wisconsin State University, Whitewater, Wisc.; Northeastern Illinois Univ.; Trinity Christian College, Palos Heights; Illinois State Univ., Normal

Holy Cross Hospital
2701 W. 68th St.
Chicago, Illinois 60629
Program Director: A.M. Ring, MD
Educational Coordinator: Sr. J.M. Stankus, MT(ASCP)
Prereq: 3 yrs Coll B.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: De Paul University; College of St. Francis, Joliet; Edgewood College, Madison, Wisc.; Loyola University

Illinois Masonic Medical Center
836 W. Wellington Ave.
Chicago, Illinois 60657
Program Director: D.R. Rhone, MD
Educational Coordinator: E.M. Mc Gill, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Roosevelt University; Northeastern Illinois University; Northern Illinois University, DeKalb; Illinois State University, Normal; Monmouth College, Monmouth; Southern Illinois Univ., Carbondale

Louis A. Weiss Memorial Hospital
4646 N. Marine Dr.
Chicago, Illinois 60640
Program Director: W. Drwiega, MD
Educational Coordinator: B. Currin, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: De Paul University; Roosevelt University; Northern Illinois University, De Kalb; Illinois State University, Normal; Bradley University, Peoria

Mercy Hospital & Medical Center
Stevenson Expwy. @ King Dr.
Chicago, Illinois 60616
Medical Director: N. Martinez, MD
Program Director: T. Rosecrans
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1978
Affiliates: North Park Coll; De Paul University; Roosevelt University; Western Ill University; College of St. Benedict, St. Paul, Minn.;

Michael Reese Hospital & Medical Center
2900 S. Ellis Ave.
Chicago, Illinois 60616
Medical Director: H. Cohen, MD
Educational Coordinator: L. Bayt, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: De Paul University; Roosevelt University; Northeastern Illinois University; North Park College; Eastern Illinois University, Charleston; St. Mary's College, Notre Dame, Ind.; Purdue University, Lafayette, Ind.; College of Idaho, Caldwell, Ida.

Northwestern University Medical School
303 E. Chicago Ave.
Chicago, Illinois 60611
Medical Director: J.C. Sherrick, MD
Program Director: A.L. Peeler, MT(ASCP)MS
Educational Coordinator: A.R. Gaines, MT(ASCP)MS
Prereq: 2 Yrs Coll to Degree **Class Cap.:** 25 **Begins:** Sep **Length:** 12-24 **Tuition:** Univ. **Awards:** B.S. M.S. **Next Survey:** 1980

Rush Presbyterian-St. Luke's Medical Center
1753 W. Congress Pkwy.
Chicago, Illinois 60612
Medical Director: J.P. Ayer, MD
Program Director: M.A. Stumpe, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $3150 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Bradley Univ., Peoria; Roosevelt Univ.; DePaul Univ.; Millikin Univ.; Northern Illinois Univ.

St. Anne's Hospital
4950 W. Thomas St.
Chicago, Illinois 60651
Program Director: N.S.R. Reddy, MD
Educational Coordinator: G. Burton, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 5 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: DePaul University

St. Joseph Hospital
2900 N. Lake Shore Dr.
Chicago, Illinois 60657
Program Director: J.R. Kraft, MD
Educational Coordinator: C.E. Miller, MT(ASCP)
Prereq: Degree **Class Cap.:** 16 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: De Paul University; Roosevelt University; Illinois State University, Normal; Aquinas College, Grand Rapids, Mich.; Northern Illinois University, DeKalb; Illinois Benedictine College, Lisle; Northeastern Illinois University; St. Mary's College, Winona, Minn.; St. Joseph's College, Rensselaer, Ind.

St. Mary of Nazareth Hospital Center
2233 West Division
Chicago, Illinois 60622
Program Director: W. Kawula, MD
Educational Coordinator: J. Blessington, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Illinois State University, Lisle; North Central College, Naperville; Northern Illinois University, Dekalb; Quincy College, Quincy;

University of Illinois College of Medicine
808 S. Wood St.
Chicago, Illinois 60612
Medical Director: S.T. Nerenberg, MD
Program Director: A.J. Maturen, PhD
Prereq: 2yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $322 Qtr Res$712 Non Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978

Veterans Administration Lakeside Hospital
333 E. Huron St.
Chicago, Illinois 60611
Medical Director: R. Eisenstein, MD
Educational Coordinator: G.B. Wright, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. Cert. **Next Survey:** 1978
Affiliates: Roosevelt University; Northwestern University; Lewis University, Lockport; Bradley University, Peoria; Drake University, Des Moines, Iowa; Valparaiso University, Valparaiso, Indiana;

LakeView Medical Center
812 N. Logan Ave.
Danville, Illinois 61832
Program Director: I. Maratos, MD
Educational Coordinator: C.J. Thompson, MT(ASCP)Actg.
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Eastern Illinois University, Charleston; Illinois State University, Normal; Illinois Wesleyan University, Bloomington Indiana State University, Terre Haute, Ind.

Decatur Memorial Hospital
2300 N. Edward St.
Decatur, Illinois 62526
Medical Director: A.H. Remedios, MD
Educational Coordinator: C.S. Myers, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Jun-Jan **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Millikin University; Western Illinois University, Macomb; Illinois State University, Bloomington; Eastern Illinois University, Charleston

St. Mary's Hospital
1800 E. Lake Shore Dr.
Decatur, Illinois 62525
Medical Director: H.L. Penning, MD
Educational Coordinator: N.L. Buckles, MT
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Millikin University; USI, Carbondale; E.Illinois U, Charleston; SIU, Edwardsville; ISU, Normal; Ill. Wesleyan U, Quincy College, Quincy; Illinois State University, Bloomington; Illinois Wesleyan University, Bloomington Southern Ill. Univ., Edwardsville

Evanston Hospital
2650 Ridge Ave.
Evanston, Illinois 60201
Medical Director: M. Vye, MD
Educational Coordinator: M. Strain, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 13 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1980
Affiliates: Eastern Illinois University, Charleston; Northern Illinois University, De Kalb; De Paul University, Greencastle, Ind.; Monmouth College, Monmouth, Ill.; Northeastern Illinois Univ., Chicago; Oregon Insitute of Tech., Oregon; Valparaiso University, Valparaiso, Ind.

Freeport Memorial Hospital
Freeport, Illinois 61032
Program Director: F.C. Tucker, MD
Educational Coordinator: G. Malone, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: Northern Illinois University, De Kalb; Aurora College, Aurora; Wisconsin State University, Platteville, Wisc.; Monmouth College, Monmouth; Illinois State University, Normal

Community Hospital
416 S. Second St.
Geneva, Illinois 60134
Program Director: R.A. Carrara, MD
Educational Coordinator: B.J. Thorsen, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Aurora College, Aurora; Northern Illinois University, De Kalb

Edward Hines, Jr., Veterans Administration Hosp.
Fifth Ave. & Roosevelt Rd.
Hines, Illinois 60141
Program Director: M.E. Rubnitz, MD
Educational Coordinator: C.L. Cournoyer, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. B.A. **Next Survey:** 1980
Affiliates: Illinois State University, Normal; Northern Illinois University, DeKalb Western Illinois Univerisity, Macomb;

Hinsdale Sanitarium & Hospital
120 N. Oak St.
Hinsdale, Illinois 60521
Medical Director: E. Roth, MD
Program Director: J.E. Blume, MS, MT(ASCP)
Educational Coordinator: R. Boose, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** $1600 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Andrews University, Berrien Springs, Mich.; Union College, Lincoln, Neb.; Oakwood College, Huntsville, Ala.; Southwestern Adventist College, Keene, Tex.; Southern Missionary College, Collegedale, Tenn.

Silver Cross Hospital
1200 Maple Road
Joliet, Illinois 60432
Medical Director: G.D. Vermeulen, MD
Program Director: F.C. Bauer, MD
Educational Coordinator: J.L. Maly, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: College of St. Francis; Western Illinois University, Macomb; Illinois State University, Normal; Northern Illinois University, De Kalb; Eastern Illinois University, Charleston; University of Southern Illinois, Carbondale; Olivet Nazarene College, Kankakee

St. Joseph Hospital
333 N. Madison St.
Joliet, Illinois 60435
Program Director: W. Fleischer, MD
Educational Coordinator: N. Cortwright, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: College of St. Francis; Western Illinois University, Macomb; Eastern Illinois University, Charleston; Northern Illinois University, De Kalb; Illinois State University, Normal

Foster G. McGaw Hospital, Loyola University
2160 S. First Ave.
Maywood, Illinois 60153
Medical Director: S. Silberman, MD
Program Director: E.W. Bermes, PhD
Educational Coordinator: Sr. M.A. Van Arkel, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **Next Survey:** 1982
Affiliates: De Paul University, Chicago; Mundelein College, Chicago; Northern Illinois University, De Kalb; Illinois Benedictine College, Lisle; Illinois State University, Normal

University of Health Sciences/Chicago Medical School
Building 51, (VAH)
North Chicago, Illinois 60064
Medical Director: A. Schneider, MD
Program Director: C. Davey, Ed.D, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 15 **Begins:** Sep **Length:** 19 mos **Tuition:** $2700 Yr Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Columbus Cuneo-Cabrini Med Ctr, Chgo; Memorial Hospital, Woodstock; Mid-Amer Region R.C. Blood Center, Chgo; St. Elizabeth Hospital, Chgo; UOC Clinical Labs, Chgo; VA Hospital; Condell Memorial Hospital, Libertyville; McHenry Medical Group, McHenry;

Christ Hospital
4440 W. 95th St.
Oak Lawn, Illinois 60453
Program Director: A.L. Pusch, MD
Educational Coordinator: P. Jurney, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Trinity Christian College, Palos Heights; Northern Illinois University, De Kalb; Millikin University, Decatur; Illinois Benedictine College, Lisle; Northern Illinois Univ., DeKalb

West Suburban Hospital Association
518 N. Austin Blvd.
Oak Park, Illinois 60302
Medical Director: A.S. Granston, MD
Program Director: A. O. Jibril, PhD
Educational Coordinator: J.L. Schmidtke, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: North Park College, Chicago; De Paul U., Chicago; Northern Illinois University, De Kalb; Northeastern Illinois Univ., Chicago

Governors State University
Park Forest South, Illinois 60466
Medical Director: P.T. Fagan, MD
Program Director: R.W. Riley, MD
Educational Coordinator: C. Coleman
Class Cap.: 12 **Tuition:** None **Awards:** None **Next Survey:** 1983
Affiliates: Ingalls Memorial Hospital, Harvey; St. James Hospital, Chicago Heights;

Lutheran General Hospital
1775 Dempster St.
Park Ridge, Illinois 60068
Medical Director: J. Valaitis, MD
Program Director: T. Okuno, MD
Educational Coordinator: C.I. Hultman, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $300 Yr
Awards: B.S. **Next Survey:** 1980
Affiliates: North Park College, Chicago; Northern Illinois University, De Kalb; Luther College, Decorah, Iowa; Wartburg College, Waverly, Iowa; Dana College, Blair, Neb.; Bradley University, Peoria

Methodist Medical Center of Illinois
221 N. E. Glen Oak Avenue
Peoria, Illinois 61636
Program Director: J.J. Taraska, MD
Educational Coordinator: J. Sutherland, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jun **Length:** 12 mos **Tuition:** $300 Yr
Awards: B.A. **Next Survey:** 1978
Affiliates: Eureka College, Eureka; Olivet Nazarene College, Kankakee; Western Illinois University, Macomb; Illinois State University, Normal Eastern Illinois University, Charleston

St. Francis Hospital-Medical Center
530 N.E. Glen Oak
Peoria, Illinois 61637
Medical Director: C.E. Kelly, MD
Program Director: J. Green MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: College of St. Francis, Joliet; Western Illinois University, Macomb; Illinois State University, Normal; Quincy College, Quincy; Murray State University, Murray, Ky; Eureka College, Eureka; Aurora College, Aurora; Bradley University; Eastern Illinois University, Charleston; Monmouth College, Monmouth

St. Mary Hospital
1415 Vermont St.
Quincy, Illinois 62301
Medical Director: R. Ravel, MD
Director: A.M Bernzen, BS, MT(ASCP)
Educational Coordinator: A.M. Bernzen, BS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Quincy College; Western Illinois U, Macomb; Culver Stockton College, Canton; Western Michigan U, Kalamazoo, MI; Ill State U, Normal; Bradley U, Peoria; Aurora College, Aurora; NW State U, Kirksville, MO;

Rockford Memorial Hospital
2400 N. Rockton Ave.
Rockford, Illinois 61101
Medical Director: A.R. Tammes, MD
Educational Coordinator: N.R. Vogel, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: Illinois Wesleyan University, Bloomington; Northern Illinois University, De Kalb; Illinois State University, Normal; Rockford College, Rockford; Univ. of Wisconsin, LaCrosse

St. Anthony Hospital Medical Center
5666 E. State St.
Rockford, Illinois 61101
Program Director: G.B. Stansell, MD
Educational Coordinator: B.R. Swanson, MEd MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Aurora College, Aurora; Northern Illinois University, De Kalb; Illinois State University, Normal; Colorado State University, Fort Collins, Colo.; Wisconsin State University, Stevens Point, Wisc.; University of Wisconsin, Whitewater, Wisc. Illinois Wesleyan University, Bloomington, Ill.; Monmouth College, Monmouth

Swedish-American Hospital
1400 Charles St.
Rockford, Illinois 61108
Program Director: C.J. Lafler, MD
Educational Coordinator: L. Schiller
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Northern Illinois University, De Kalb; College of St. Francis, Joliet; Western Illinois University, Macomb; Illinois State University, Normal; Wisconsin State University, Platteville, Wisc.; Wisconsin State University, Stevens Point, Wisc. Bradley University, Peoria

Sangamon State University
Shepherd Rd.
Springfield, Illinois 62708
Medical Director: E.L. Cheatle, MD
Program Director: N.L. Neale, MS, MT(ASCP)
Educational Coordinator: C.K. Nelson, MS, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 21 mos **Tuition:** $250 Sem
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Memorial Medical Center

St. John's Hospital
800 East Carpenter
Springfield, Illinois 62702
Medical Director: V. Lary, MD
Program Director: P. Garrott, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 18 **Begins:** Aug **Length:** 12 mos **Tuition:** $100 Sem
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Southern Illinois University, Carbondale; Eastern Illinois University, Charleston; Millikin University, Decatur; Western Illinois University, Macomb; Illinois State University, Normal; Quincy College, Quincy; Monmouth College, Monmouth

Carle Foundation Hospital
611 W. Park St.
Urbana, Illinois 61801
Program Director: E.P. Grogg, MD
Educational Coordinator: K.A. Harvey, Ed.M MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** $350 Yr
Awards: B.S. Cert. **Next Survey:** 1978
Affiliates: Eastern Illinois University, Charleston; Illinois State University, Normal

St. Therese Hospital
2615 W. Washington St.
Waukegan, Illinois 60085
Medical Director: N. Tamvakis, MD
Educational Coordinator: E. Pape, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr
Awards: Cert. **Next Survey:** 1978
Affiliates: Ill State U, Normal; De Paul U, Chgo; Mundelein College, Chgo; Northern Ill U, DeKalb; St. Benedict College, St. Joseph, MN; St. John's University, Collegeville, MN; Carthage College, Kenosha, WI;

Central Du Page Hospital
0 N 025 Winfield Rd.
Winfield, Illinois 60190
Medical Director: D. Barrett, MD
Educational Coordinator: G.J. MacPhail, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr
Awards: B.A. B.S. **Next Survey:** 1979
Affiliates: Aurora College, Aurora; Northern Illinois University, De Kalb; Illinois Benedictine College, Lisle; Wheaton College, Wheaton; Illinois State University, Normal

INDIANA

St. John's Hickey Memorial Hospital
2015 Jackson St.
Anderson, Indiana 46014
Program Director: D.L. Buckles, MD
Educational Coordinator: M.G. Schuster, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Varies **Length:** 12 mos **Tuition:** None
Awards: B.A. B.S. Cert. **Next Survey:** 1978
Affiliates: Anderson College; Indiana University, Bloomington; Ball State University, Muncie; Saint Joseph's College, Rensselaer; Indiana State University, Terre Haute

St. Francis Hospital Center
1600 Albany St.
Beech Grove, Indiana 46107
Medical Director: F.D. McGovern Jr., MD
Educational Coordinator: S. Voland, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $300 **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Indiana University, Bloomirgton; Butler University, Indianapolis; Ball State University, Muncie; Indiana Central Univ., Indianapolis; Indiana State Univ., Terre Haute; Marion College, Indianapolis; Purdue Univ., Lafayette; St. Mary of-the Woods College, Indianapolis; Comm Blood Bank or Marion Cty, Indianapolis;

Deaconess Hospital, Inc.
600 Mary St.
Evansville, Indiana 47747
Program Director: J. Rothenberg, MD
Educational Coordinator: S. Liles
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** $550 **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: University of Evansville; Indiana State University; Ball State University, Muncie; Indiana University, Indianapolis; Indiana State University, Terre Haute

St. Mary's Medical Center
3700 Washington Ave.
Evansville, Indiana 47750
Program Director: J.A. Robertson, MD
Educational Coordinator: M. Masterson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Evansville; Purdue University, Lafayette; Murray State University, Murray, Ky.; Kentucky Wesleyan College, Owens- boro, Ky.; Western Kentucky University, Bowling Green, Ky.

Lutheran Hospital
3024 Fairfield Ave.
Fort Wayne, Indiana 46807
Program Director: C.H. Aust, MD
Educational Coordinator: S.S. Stump, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Francis College; Huntington College, Huntington; Ball State University, Muncie; Taylor University, Upland; Purdue University, West Lafayette; Western Michigan Univ., Kalamazoo, Mi.; Bowling Green State Univ.; Valparaiso Univ., Valparaiso; Indiana University, Bloomington

Parkview Memorial Hospital
2200 Randalia Dr.
Fort Wayne, Indiana 46805
Program Director: K.R. Schlademan, MD
Educational Coordinator: L.J. Waitman, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.A. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ball State University, Muncie; St. Francis College; Purdue University, Lafayette; Indiana University, Bloomington

St. Joseph's Hospital of Fort Wayne, Inc.
700 Broadway
Fort Wayne, Indiana 46802
Program Director: L.A. Schneider, MD
Educational Coordinator: P. Mullenix, MT(ASCP)SH
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ball State U, Muncie; Coll of St. Benedict, St. Joseph, MN; Huntington Coll, Huntington; Siena Heights Coll, Adrian, MI; Purdue U-Lafayette Campus, Lafayette; St. Francis Coll; St. Mary-of-the-Woods Coll, SMOTW; Taylor U, Upland; Western Michigan U, Kalamazoo, MI;

St. Mary Medical Center
540 Tyler St.
Gary, Indiana 46402
Program Director: E.J. Mason, MD
Educational Coordinator: M. S. Demitroulas, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jun-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Indiana University, Bloomington; Purdue University, Lafayette; Valparaiso University, Valparaiso; Calumet College, East Chicago

St. Margaret Hospital
25 Douglas St.
Hammond, Indiana 46320
Program Director: J. Pilot, MD
Educational Coordinator: G. Shipplett, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Purdue University; St. Mary's College, Notre Dame; St. Joseph's College, East Chicago; St. Francis College, Fort Wayne; Purdue Calumet University, Hammond; Trinity Christian College, Palos Heights, Ill.; St. Mary-of-the-Woods College, St. Mary-of-the-Woods

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Program Director: C.D. Nordschow, MD
Program Director: M.A. Feeley, Ed.S, MT(ASCP) As
Program Director: L.M. Kasper, MS, MT(ASCP)SC, A
Prereq: 3 yrs Coll **Class Cap.:** 32 **Begins:** Jul **Length:** 11 mos **Tuition:** $24 Cr Hr Res $55 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978

Methodist Hospital of Indiana, Inc.
1604 N. Capitol Ave.
Indianapolis, Indiana 46202
Medical Director: D.M. Schulz, MD
Program Director: R. Driver, MA, MT(ASCP)EdD, As
Prereq: 3-4 yrs Coll **Class Cap.:** 24 **Begins:** Jul **Length:** 12 mos **Tuition:** $400 **Awards:** Cert. **Next Survey:** 1979

St. Vincent Hospital Laboratory
2001 West 86th Street
Indianapolis, Indiana 46260
Medical Director: L.N. Foster, MD
Program Director: A. Kornafel, MT(ASCP)SH
Educational Coordinator: A. Stanley, MT(ASCP)SC
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **Next Survey:** 1980
Affiliates: Butler University; Purdue University, Lafayette; Ball State University, Muncie; Greenville College, Greenville, Ill.; Indiana State U, Terre Haute; Joseph's College, Rensselaer; Western Michigan U, Kalamazoo, MI; Marian College;

St. Joseph Memorial Hospital
1907 W. Sycamore St.
Kokomo, Indiana 46901
Program Director: M.W. Rudicel, MD
Educational Coordinator: C. Wall, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Awards:** B.A. B.S. **Next Survey:** 1978
Affiliates: Indiana University at Kokomo; Ball State University, Muncie; St. Francis College, Fort Wayne

Ball Memorial Hospital Association, Inc.
2401 W. University Ave.
Muncie, Indiana 47303
Program Director: G.E. Branam, MD
Educational Coordinator: S.A. Replogle, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ball State University; Marion College, Marion

South Bend Medical Foundation, Inc.
531 N. Main St.
South Bend, Indiana 46601
Medical Director: C.A. Pascuzzi, MD
Program Director: M. Winstead, MS,MT(ASCP)
Educational Coordinator: B. Hagan, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jun **Length:** 12 mos **Tuition:** $300 **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Indiana University, South Bend; St. Mary's College, Notre Dame; Indiana University, Bloomington

Indiana State University
217 N. 6th St.
Terre Haute, Indiana 47809
Medical Director: L.L. Blum MD
Program Director: S.S. Husain, PhD
Educational Coordinator: S. Hassell, MS, MT(ASCP)
Prereq: Univ. **Class Cap.:** 24 **Begins:** Aug **Length:** 48 mos **Tuition:** $28 Cr Hr Res $56 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Good Samaritan Hospital, Vincennes; St. Francis Hospital Center, Beech Grove; St. Vincent's Hospital, Indianapolis; Deaconess Hospital, Evansville; Methodist Hospital, Indianapolis; Lake View Memorial Hospital, Danville, Ill.; St. John's Hickey Memorial Hosp., Anderson; St. Margaret's Hosp., Hammond

Good Samaritan Hospital
520 S. Seventh St.
Vincennes, Indiana 47591
Program Director: B.K. Black, MD
Educational Coordinator: P.H. Bousley, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Indiana State University-Union Hospital, Terre Haute; Ball State University, Muncie; University of Evansville, Evansville; Southern Illinois University, Carbondale, Ill.; Eastern Illinois University, Charleston, Ill.

IOWA

Mercy Hospital
701 Tenth St., S.E.
Cedar Rapids, Iowa 52403
Program Director: Sr. P. Moylan, MS, MT(ASCP)
Educational Coordinator: J.L. Gavin, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Feb,Aug **Length:** 12 mos **Tuition:** $400 Yr **Awards:** B.S. **Next Survey:** 1982
Affiliates: Mt. Mercy College; Mankato State College, Mankato, Minn.

St. Luke's Methodist Hospital
1026 A Ave., N.E.
Cedar Rapids, Iowa 52402
Program Director: K.B. Grant, MD
Educational Coordinator: I. Livengood, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Feb-Jul **Length:** 12 mos **Tuition:** $750 **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Coe College; Iowa State University, Ames; Drake University, Des Moines; Dordt College, Sioux City; Morningside College, Sioux City; Simpson College, Indianola; Mankato State College, Mankato, Minn.; Northwest Missouri State College, Maryville, Mo.; Northern State College, Aberdeen, S. Dak.; Mankato State College, Mankato, Minn. Northwest Missouri State College, Maryville, Mo.; Wartburg College, Waverly, Iowa

Mercy Hospital
800 Mercy Dr.
Council Bluffs, Iowa 51501
Program Director: A.L. Sciortino, MD
Educational Coordinator: S.L. Stock, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: University of Iowa, Iowa City; Kearney State College, Kearney; Dana College, Blair; Coe College, Cedar Rapids; College of St. Mary, Omaha, Neb.; Creighton U., Omaha, Neb.; Wayne State College, Wayne, Neb.; Graceland College, Lamoni; Benedictine College, Atchinson, Kan.; Simpson College, Indianola

Quad-Cities Pathologist Group
1326 W. Lombard St.
Devenport, Iowa 52804
Medical Director: W.S. Pheteplace, MD
Program Director: M. Hoover, PhD, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 15 **Begins:** Jun **Length:** 12 mos **Tuition:** $940 Qtr $2820 Yr **Awards:** Cert. B.A. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ill State U, Normal IL; Augustana Coll, Rock Island, IL; Mercy Hosp.; MS Valley Reg. Blood Ctr; Franciscan Med Ctr, Rock Island, IL; Moline Public Hosp, Moline, IL; Quad Cities Pathologist Group;

Drake University
2600 University
Des Moines, Iowa 50311
Medical Director: J.W. Green, Jr, MD
Educational Coordinator: C. Claycomb, MA, MT(ASCP)
Educational Coordinator: L. Blair MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 24 **Begins:** Aug-Feb **Length:** 12 mos **Tuition:** $1500 Yr **Awards:** B.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Iowa Methodist Medical Center

Mercy Hospital
Sixth & University
Des Moines, Iowa 50314
Program Director: H. Kim, MD
Educational Coordinator: M. Samorey, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $750 **Awards:** B.A. Cert. **Next Survey:** 1978
Affiliates: Drake University; Iowa State College, Ames; Simpson College, Indianola; Mankato State College, Mankato, Minn.; Univ. of Northern Iowa, Cedar Falls

Dubuque Tri-Hospital
Mercy Dr.
Dubuque, Iowa 52001
Program Director: F.E. Cicciarelli, MD
Educational Coordinator: C.V. Brown, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jul-Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: U. of Dubuque; Clarke College; Loras College; Viterbo College, La Crosse, Wisc.; Wisconsin State University, Platteville, Wisc.

University of Iowa Hospitals and Clinics
Iowa City, Iowa 52242
Medical Director: J.A. Koepke, MD
Educational Coordinator: M.L. Schwabbauer, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 32 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** Univ **Awards:** B.S. B.A. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Iowa City V.A. Hospital; Iowa State University, Ames; Univ. of Northern Iowa, Cedar Falls

Laboratory Control Professional Corp., Ltd
P.O. Box F
Ottumwa, Iowa 52501
Program Director: R. Schrantz, MD
Educational Coordinator: J.C. Johnson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Iowa, Iowa City; Iowa Wesleyan College, Mt. Pleasant; William Penn College, Oskaloosa; State Univ. of Iowa, Iowa City; Northeast Missouri State College, Kirksville, Mo.

Marian Health Center-St. Joseph Unit
2101 Court
Sioux City, Iowa 51104
Program Director: H.J. Caes, MD
Educational Coordinator: M.L. Pansegrau, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Morningside College; Dordt College, Sioux Center; Briarcliff College; Iowa State Univ., Ames; Dana College, Blair; Northwestern College, Orange City; Buena Vista College, Storm Lake; Simpson College, Indianola; Kearney State College, Kearney, Neb.; Northern State College, Aberdeen, S. Dak.; Mount Mary College, Yankton, S. Dak.; North Dakota State University, Fargo, N. Dak.; Graceland College, Lamoni; St. Mary's College, Winona, Minn.; South Dakota State Univ., Brookings, S. Dak.; Univ. of South Dakota, Vermillion, S. Dak.;Wayne State College, Wayne, Neb.; Westmar College, LeMars

St. Luke's Medical Center
2720 Stone Park Blvd.
Sioux City, Iowa 51104
Program Director: J.S. Pennepacker, MD
Educational Coordinator: S. Collier, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Morningside College, Sioux City; Briar Cliff College, Sioux City; Westmar College, LeMars; Universtiy of South Dakota, Vermillion, S. Dak.; Wayne State College, Wayne, Neb.

Allen Memorial Hospital
1825 Logan Ave.
Waterloo, Iowa 50703
Program Director: J.D. Collins, MD
Educational Coordinator: L.A. Flynn, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: UNI, Cedar Falls; Wartburg College, Waverly; Upper Iowa College, Fayette; ND State Univ, Fargo ND; University, Fargo, N. Dak.

Scholtz Memorial Hospital
Kimball & Ridgeway
Waterloo, Iowa 50702
Medical Director: H.B. Lowsman, MDD
Program Director: W.M. Cannon, MD
Program Director: N. Sampaio, MD
Educational Coordinator: J.K. Bauer, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Northern Iowa, Cedar Falls; Luther College, Decorah; Upper Iowa University, Fayette; Wartburg College, Waverly; Mankato State College, Mankato, Minn.; Iowa State University, Ames; North Dakota State University, Fargo, N. Dak.; Simpson College, Indianola

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KANSAS

Hutchinson Hospital Corporation
1701 East 23rd
Hutchinson, Kansas 67501
Program Director: H.T. Lettner, MD
Educational Coordinator: M.J. Mye[illegible], MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Emporia State College, Emporia; McPherson College, McPherson; Sterling College, Sterling

Providence-St. Margaret Health Center
8929 Parallel Parkway
Kansas City, Kansas 66112
Program Director: D.S. Jacobs, MD
Educational Coordinator: E.L. Sullivan, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Colo State U, Ft. Collins, CO; Benedictine Coll, Atchison; Emporia State U, Emporia; Pittsburg State U, Pitts; MO Western Coll, St. Joseph, MO; Ottawa U, Ottawa; St. Mary Coll, Leavenworth; UOM at K.C., K.C.; Washburn U, Topeka; Mo.; Pittsburgh State Univ., Pittsburgh; Missouri Western College, St. Joseph, Mo.; St. Mary College, Leavenworth, Kan.

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Medical Director: M. Chiga, MD
Program Director: P. Boyle, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 30 **Begins:** Jun **Length:** 11 mos **Tuition:** Univ. **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Kansas State Teachers College, Emporia; University of Kansas, Lawrence; Kansas State University, Manhattan; Kansas State College of Pittsburg, Pittsburg

Topeka School of Medical Technology
921 Garfield St.
Topeka, Kansas 66606
Medical Director: H.C. Moore, MD
Program Director: P. Quinley, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Washburn University; Kansas State Teachers College, Emporia; Ft. Hays Kansas State University, Fort Hays; Tabor College, Hillsboro; Kansas State University, Manhattan; Kansas State College of Pittsburg, Pittsburg

St. Francis Hospital
929 N. St. Francis Ave.-PO Box
Wichita, Kansas 67201
Medical Director: R.J. Taylor, MD
Program Director: R.J. Taylor, MD
Educational Coordinator: R. Frahm
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. Cert. **Next Survey:** 1978
Affiliates: Benedictine Coll, Atchison; Bethel Coll, N. Newton; Emporia State Coll, Emp.; Friends U; Ft. Hays Sta U, Hays; Kansas Newman Coll; Kansas Sta U, Manhattan; Marymount Coll of Kansas, Salina; McPherson Coll, McPherson; Sterling Coll, Sterling; St. Mary of the Plains Coll, Dodge City; Tabor Coll, Hillsboro; Wichita Sta U;

St. Joseph Medical Center
3600 East Harry
Wichita, Kansas 67218
Program Director: W.J. Reals, MD
Educational Coordinator: J. Swanson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1976
Affiliates: Wichita State University; Friends University; St. Mary's of the Plains College, Dodge City; Kansas State University, Manhattan; Kansas Newman College; Kearney State College, Kearney, Neb.; Ft. Hays State College, Hays

Wesley Medical Center
550 N. Hillside Ave.
Wichita, Kansas 67214
Medical Director: J.H. Marymont, MD
Program Director: J.P. Smith, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Wichita State University; Baker University, Baldwin City; Kansas State Teachers College, Emporia; Kansas State University, Manhattan; Mc Pherson College, Mc Pherson; Sterling College, Sterling; Southwestern College, Winfield; Kearney State College, Kearney, Neb.; Kansas Wesleyan, Salina; Tabor College, Hillsboro

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KENTUCKY

St. Elizabeth Medical Center
401 E. 20th St.
Covington, Kentucky 41014
Medical Director: H.T. Russell, MD
Educational Coordinator: M. Dameron, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Oct-Jul **Length:** 12 mos **Tuition:** $500 Yr **Awards:** B.A. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: T. More Coll, Covgtn, KY; Morehead U, Morehead; Xavier U, Cin., OH; Northern KY U, Highland Hts; Edgecliff Coll, Cin., OH

St. Joseph Hospital
1400 Harrodsburg Rd.
Lexington, Kentucky 40504
Medical Director: P. G. Young, MD
Program Director: P. G. Young, MD
Educational Coordinator: J.G. Garnett, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Eastern KY Sta U, Richmond; N.D. Sta U, Fargo, ND; Cumberland Coll, Wmsburg; Georgetown Coll, Georgetown; Xavier U, Cin., OH; Morehead Sta U, Morehead;

University of Kentucky Medical Center
#103 Administration Bldg.
Lexington, Kentucky 40506
Medical Director: A. Golden, MD
Program Director: M. Vittetoe,MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 30 **Begins:** Jan-Sep **Length:** 20 mos **Tuition:** $278 Sem Res$828 Non-Res **Awards:** B.H.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Veteran's Administration Hospital, Lexington; Central Kentucky Blood Center

Saints Mary & Elizabeth Hospital
4400 Churchman Ave.
Louisville, Kentucky 40215
Program Director: T.S. Hutsell, MD
Educational Coordinator: H. Mattingly, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** May **Length:** 12 mos **Tuition:** $2000 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Spalding College

St. Anthony Hospital
1313 St. Anthony Pl.
Louisville, Kentucky 40204
Program Director: L. Makk, MD
Educational Coordinator: E.J. Ellington
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** B.A. B.S. Cert. **Next Survey:** 1978
Affiliates: Bellarmine-Ursuline College; Eastern Kentucky State U., Richmond; Western Kentucky University, Bowling Green; Thomas More College, Covington; St. Francis College, Fort Wayne, Ind.; Ohio University, Athens, Ohio

University of Louisville
P.O. Box 35260
Louisville, Kentucky 40232
Program Director: H.R. Layman, MT(ASCP)
Educational Coordinator: M.F. Zady, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** $620 Res $1046 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Jewish Hosp.; Norton-Children's Hosp.; VA Hosp.; Memorial Hosp., New Albany, IN; Floyd County Memorial Hosp., New Albany, Ind.

Lourdes Hospital
1530 Lone Oak Rd.
Paducah, Kentucky 42001
Medical Director: G.J. Settlow, MD
Program Director: B. Szymanski, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Murray Sta U, Murray; Eastern KY Sta U, Richmond; Western KY U, Bowling Green; Brescia Coll, Owensboro;

Methodist Hospital of Kentucky
U. S. 23 By-Pass
Pikeville, Kentucky 41501
Medical Director: K.T. Patel, MD
Program Director: G.E. Pendergraph, PhD
Educational Coordinator: M.T. Starnes, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Appalachian Sta U, Boone, NC; Asbury Coll, Wilmore; Cumberland Coll, Wmsburg; Eastern KY U, Richmond; Georgetown, Georgetown; KY Sta U, Frankfort; Morehead Sta U, Morehead; Union Coll, Barbourville; Pikeville Coll,;

LOUISIANA

Rapides General Hospital
211 Fourth Street
Alexandria, Louisiana 71301
Program Director: E.C. Uhrich, MD
Educational Coordinator: S.Rachal, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Semi-Ann **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: LA Coll, Pineville; NW Sta U, Natchitoches; NE Sta U, Monroe; LA Polytech U, Ruston; Southern U, Baton Rouge; Univ. of Miss., University, MS; McNeese Sta Univ., Lake Charles; LA Sta Univ., Baton Rouge;

Baton Rouge General Hospital
PO. Box 2511-3600 Florida St.
Baton Rouge, Louisiana 70806
Medical Director: R.L. Ward, MD
Educational Coordinator: J.B. Troth, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 11 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Louisiana State University; Southeastern Louisiana College, Hammond

Earl K. Long Memorial Hospital
5825 Airline Hwy.
Baton Rouge, Louisiana 70805
Program Director: J.A. Freeman, MD
Educational Coordinator: M.M. Marionneaux, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: Louisiana State University, Baton Rouge

Our Lady of the Lake Hospital
5000 Hennessy Blvd.
Baton Rouge, Louisiana 70809
Program Director: R.M. Nunnally, MD
Educational Coordinator: S. LaBauve, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 11 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: LA State U; NE La. U, Monroe; SE La U, Hammond; St. Mary's Dominican Coll, New Orleans; F.T. Nicholls State U, Thibodaux; UOSL, Lafayette; NW State U, Natchitoches; La Tech U, Ruston;

Lafayette Charity Hospital
311 W. St. Mary Blvd.
Lafayette, Louisiana 70501
Medical Director: P.A. Avet, Jr, MD
Educational Coordinator: M. B. Boone, MT(ASCP)SBB
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** Univ. **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Southwestern Louisiana; Louisiana State University, New Orleans

Lake Charles Memorial Hospital
1701 Oak Park Blvd.
Lake Charles, Louisiana 70601
Program Director: A.L. Cook, MD
Educational Coordinator: T. Stewart, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** $65 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: McNeese State U; La Tech, Ruston; U of SW La, Lafayette; SE La U, Hammond; NW La U, Monroe; NW State U of La, Natchitoches; Nichols State U, Thibodeaux;

St. Patrick Hospital
524 S. Ryan St.
Lake Charles, Louisiana 70601
Program Director: A. Ranier, MD
Educational Coordinator: L. Upton, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jan,Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: McNeese State U; La State U Med Ctr, N.Orleans; La Tech U, Ruston; NE La U, Monroe; NW State U of La, Natchitoches; Lamar U, Beaumont;

St. Francis Hospital
309 Jackson
Monroe, Louisiana 71201
Program Director: R.J. Blanchard, MD
Educational Coordinator: W. Wilson, Jr, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jan,Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Northeast Louisiana University; Louisiana Tech University, Ruston;

Alton Ochsner Medical Foundation
1516 Jefferson Hwy.
New Orleans, Louisiana 70121
Program Director: J.S. Trapani, MD
Educational Coordinator: E.F. Chehardy, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Northwestern State Univ., Natchitoches; Northeast Louisiana Univ., Monroe; St. Mary's Dominican College; Southeast Louisiana Univ., Hammond; Mississippi State Univ., State College, Miss.; Univ. of Southwestern, Lafayette; Xavier Univ.

Charity Hospital of Louisiana at New Orleans
1532 Tulane Ave.
New Orleans, Louisiana 70140
Program Director: M.S. Samuels, MD
Educational Coordinator: P.M. Sallas, MT(ASCP)
Prereq: 3 yrs Coll Degree **Class Cap.:** 32 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Louisiana State University Medical Center; Southern University of N.O.

Hotel Dieu Hospital
2021 Perdido St.
New Orleans, Louisiana 70112
Medical Director: F.W. Brazda, MD
Educational Coordinator: C.B. Conn, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $100 Yr **Awards:** B.S. **Next Survey:** 1979
Affiliates: St. Mary's Dominican College; Loyola University; Louisiana State University

Mercy Hospital of New Orleans
301 N. Jefferson Davis Pkwy.
New Orleans, Louisiana 70119
Program Director: T.J. Harrison, MD
Educational Coordinator: J. White, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug-Dec **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: St. Mary's Dominican College; Loyola University; Louisiana State University; Southeastern Louisiana College, Hammond

Southern Baptist Hospital
2700 Napoleon Ave.
New Orleans, Louisiana 70115
Program Director: L.R. Bryant, MD
Educational Coordinator: D.J. Kelley, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Nicholls State Univ.; William Carey College, Hattiesburg, Miss.; Loyola Univ.; Tulane Univ.; Southeastern Louisiana College, Hammond; Louisiana State Univ.; Louisiana Polytechnic Institute, Ruston

Touro Infirmary
1401 Foucher St.
New Orleans, Louisiana 70115
Medical Director: J.C. Erwin, MD
Program Director: S.L. Pate, MT(ASCP)
Educational Coordinator: E.M. Norsworthy, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Louisiana State University, Baton Rouge; Loyola University

U.S. Public Health Service Hospital
210 State St.
New Orleans, Louisiana 70118
Medical Director: J.H. Kim, MD
Educational Coordinator: J.A. Broekhoven, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Xavier University; Loyola University; Louisiana State University Medical Center

Veterans Administration Hospital
1601 Perdido St.
New Orleans, Louisiana 70146
Program Director: A.A. Hatem, MD
Educational Coordinator: A.S. Turnbull,MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Xavier University; Louisiana State University, New Orleans, Baton Rouge; Southeastern Louisiana College, Hammond

Louisana State University Hospital
1541 Kings Hwy.
Shreveport, Louisiana 71130
Program Director: R.L. Little, MD
Educational Coordinator: H.W. Goad, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 17 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **Next Survey:** 1978
Affiliates: Centenary College; Southeastern La. College, Hammond; Northeast Louisiana State College, Monroe; Northwestern State College, Natchitoches; Louisiana Polytechnic Institute, Ruston; Louisiana State U. Medical Center, New Orleans; East Texas Baptist College, Marshall, Tex.; McNeese State University, Lake Charles; University of Southwestern Louisiana, Lafayette

Veterans Administration Hospital
510 East Stoner Avenue
Shreveport, Louisiana 71130
Medical Director: A.G. Smith, MD
Program Director: K.E. Griswold, Ph.D.
Educational Coordinator: S. Jones, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: La. Tech University, Ruston; Northeast La. University, Monroe

MAINE

Eastern Maine Medical Center
489 State St.
Bangor, Maine 04401
Program Director: B.A. Dahl, MD
Educational Coordinator: J.E. Mc Glauflin, MT(ASCP)
Educational Coordinator: N.M. Winter, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** Univ **Awards:** B.A. **Next Survey:** 1978
Affiliates: University of Maine, Orono

Central Maine Medical Center
300 Main St.
Lewiston, Maine 04240
Program Director: R.S. Potts, MD
Educational Coordinator: M.Mueller-Shore, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** $895 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Maine, Orono;

Maine Medical Center
22 Bramhall St.
Portland, Maine 04102
Program Director: J.F. Stocks, MD
Educational Coordinator: M.C. Guinard, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** $708 **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: University of Maine, Orono; Westbrook College

MARYLAND

Mercy Hospital, Inc.
301 St. Paul Pl.
Baltimore, Maryland 21202
Medical Director: R.G. Lancaster, MD
Educational Coordinator: Sr. P.M. Phelan, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 30 **Begins:** Jun **Length:** 12 mos **Tuition:** $1225 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Loyola College; Mout St. Agnes College, Mt. Washington, D.C.

The Union Memorial Hospital
201 E. University Pkwy.
Baltimore, Maryland 21218
Program Director: D.K. Merenyi, MD
Educational Coordinator: R.E. Durell, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $1600 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: Morgan State College; Towson State College, Towson; Alderson-Broaddus College, Philippi, W. Va.; College of the Virgin Islands, St. Thomas, V.I.

U.S. Public Health Service Hospital
3100 Wyman Park Dr.
Baltimore, Maryland 21211
Medical Director: W.R. Platt, MD
Program Director: L.L. Russell, MT(ASCP)
Prereq: B.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Loch Raven V.A. Hosp.

University of Maryland
655 W. Baltimore St.
Baltimore, Maryland 21201
Medical Director: W.D. Tigertt, MD
Program Director: J.M. Masters, PhD
Educational Coordinator: J.E. Wilson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 42 **Begins:** Jun **Length:** 12 mos **Tuition:** $620 Yr-Res $2250 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of Maryland Hospital;

Naval Health Sciences Education & Training Command
Bethesda, Maryland 20014
Medical Director: C.J. Stahl, III, MD
Educational Coordinator: Lt. G.C. Baker, MSC, USN
Prereq: 3 yrs Coll **Class Cap.:** 24 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: George Washington University, Washington, D.C.

Salisbury State College
Camden Ave.
Salisbury, Maryland 21801
Program Director: R.L. Taylor, MD
Educational Coordinator: B. Grosky, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Jun **Length:** 12 mos **Tuition:** $285 Sem Res$735 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Peninsula General Hospital

Columbia Union College
7600 Flower Ave.
Takoma Park, Maryland 20012
Medical Director: J.D. Mashburn, MD
Educational Coordinator: D. Steinert, MT(ASCP)
Prereq: Coll. Req. **Class Cap.:** 10 **Begins:** Sep **Length:** 48 mos **Tuition:** $105 Cr Hr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Washington Adventist Hosp., Tolsona Park

St. Joseph Hospital
7620 York Rd.
Towson, Maryland 21204
Medical Director: L.F. Misanik, MD
Educational Coordinator: M.A. Maffetone, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $1600 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Baltimore State College; Towson State College

MASSACHUSETTS

Carney Hospital
2100 Dorchester Ave.
Boston, Massachusetts 02124
Program Director: H.J. Christian, MD
Educational Coordinator: R. Krause, MT(ASCP)MS
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** $1650 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Lincoln College of Northeastern Univ.; Merrimack College, N. Andover; Vermont College, Burlington, Vt.

New England Deaconess Hospital
185 Pilgrim Rd.
Boston, Massachusetts 02215
Medical Director: S.R. Kurtz, MD
Medical Director: A. Kim, MD
Program Director: B.E. Copeland, MD
Educational Coordinator: M. Stowell, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 30 **Begins:** Sep/Jan **Length:** 9 mos **Tuition:** Univ. **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Northeastern University

Veterans Administration Medical Center
150 S. Huntington Ave.
Boston, Massachusetts 02130
Medical Director: L.D. Berman, MD
Program Director: C.J. Carter, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Fitchburg State College Fitchburg; Merrimack College; N. Andover;

The Cambridge Hospital
1493 Cambridge St.
Cambridge, Massachusetts 02139
Program Director: C.G. Hori, MD
Educational Coordinator: D. Tekula, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Anna Maria College, Paxton; Suffolk University, University of Massachusetts, Emmanuel College, Boston;

Burbank Hospital
Nichols Rd.
Fitchburg, Massachusetts 01420
Program Director: R.L. McAuley, MD
Educational Coordinator: K. B. Crowley, RT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** $550 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Fitchburg State College; Anna Maria College, Paxton; Lowell State College, Lowell

Framingham Union Hospital
25 Evergreen St.
Framingham, Massachusetts 01701
Medical Director: L.G. Tedeschi, MD
Program Director: J.M. Cutter, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Framingham State College

Henry Heywood Memorial Hospital
242 Green St.
Gardner, Massachusetts 01440
Program Director: D.H. Keller, MD
Educational Coordinator: G. Dagenais, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Suffolk University, Boston; Fitchburg State College, Fitchburg; Anna Marie College, Paxton; Boston State College, Boston; Stonehill College, North Easton

Franklin County Public Hospital
164 High St.
Greenfield, Massachusetts 01301
Medical Director: W.F. Doyle, MD
Program Director: W. Hester, MD
Program Director: W. Doyle, MD
Educational Coordinator: J. Simpson, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of Massachusetts, Amherst; American International College, Springfield; Our Lady of the Elms, Chicopee; North Adams State College, North Adams; Vermont College, Montpelier, Vt.; Notre Dame College, Manchester, N.H.; St. Joseph College, W. Hartford, Conn.

Holyoke Hospital
575 Beech St.
Holyoke, Massachusetts 01040
Program Director: H.P. Wakefield, MD
Educational Coordinator: D. Podgurski, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of Massachusetts, Amherst Westbrook Junior College, Portland, Me.; Vermont College, Montpelier, Vt.; Notre Dame College, Manchester, N.H.; University of Connecticut Storrs

Lawrence General Hospital
One General St.
Lawrence, Massachusetts 01842
Program Director: L.S. Jolliffe, MD
Educational Coordinator: R.A. Freund, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 7 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Rivier College, Nashua, N.H.; Lowell State College, Lowell; Merrimack College, North Andover

University of Lowell
One University Avenue
Lowell, Massachusetts 01854
Medical Director: Agostinelli, MD
Program Director: J.P. Farina, PhD
Educational Coordinator: L. Post
Class Cap.: 48 **Tuition:** None **Awards:** None **Next Survey:** 1983
Affiliates: Lowell General Hospital; St. John's Hospital; St. Joseph's Hospital;

Malden Hospital
Hospital Rd.
Malden, Massachusetts 02148
Program Director: P.M. Melcher, CLS
Medical Director: C.D. Chipman, MD
Prereq: 4 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** $99 Qtr Hr **Awards:** Cert. **Next Survey:** 1982

Newton-Wellesley Hospital
2014 Washington St.
Newton Lower Falls, Massachusetts 02162
Program Director: J.H. Meeker, MD
Educational Coordinator: A.M. Pollock, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug-Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Fitchburg Sta Coll, Fitchburg; Framingham Sta Coll, Fram.; Suffolk U, Boston; Westbrook Coll, Portland;

Norwood Hospital
800 Washington St.
Norwood, Massachusetts 02062
Program Director: R.A. Mac Donald, MD
Educational Coordinator: D.A. Vartabedian, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Framingham Sta Coll, Fram.; Boston Sta Coll, Boston; U of Lowell, Lowell; Regis Coll, Weston;

Berkshire Medical Center
725 North St.
Pittsfield, Massachusetts 01201
Program Director: W. Beautyman, MD
Educational Coordinator: J. Malec, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Massachusetts, Amherst; North Adams State College, North Adams; Springfield College, Springfield; Westbrook Junior College, Portland, Me.; Nasson College, Springvale, Me.; Windham College, Pultney, Vt.; Vermont College, Montpelier, Vt.;

Salem Hospital
81 Highland Ave.
Salem, Massachusetts 01970
Program Director: J.E. Fitzgerald, MD
Educational Coordinator: L.L. Post, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Merrimack College, North Andover; Keuka College, Keuka Park, NY;

Baystate Medical Center
759 Chestnut St.
Springfield, Massachusetts 01107
Educational Coordinator: M.W. O'Neill, MT(ASCP)
Medical Director: R.N. Otto, MD
Educational Coordinator: E.A. Wilk, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **Next Survey:** 1979
Affiliates: American International College; Springfield College; U. of Massachusetts, Amherst; Univ. of Connecticut, Storrs; North Adams State Coll., Adams; Vermont College, Montpelier, Vt.; Westbrook Junior College, Portland, Me.

Mercy Hospital
233-271 Carew St.
Springfield, Massachusetts 01104
Medical Director: H.J. McCauley, MD
Program Director: D. Lakoma, MT(ASCP)SC
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Amer Internat'l Coll; U of Conn, Storrs, CN; A. Maria Coll, Paxton; Coll of OLE, Chicopee; Mt. St. Mary Coll, Newburgh, NY Marie College, Paxton

New England Memorial Hospital
Five Woodland Rd.
Stoneham, Massachusetts 02180
Program Director: F.R. Tyler, MD
Educational Coordinator: H.R. Runnals, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Framingham State College, Framingham; Atlantic Union College, South Lancaster

Worcester City Hospital
26 Queen St.
Worcester, Massachusetts 01610
Program Director: W.F. Mac Gillivray, MD
Educational Coordinator: G. Bravo, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Framingham State College, Framingham; Anna Marie College, Paxton; Fitchburg State College, Fitchburg; Southeastern Massachustetts University, Dartmouth; University of Connecticut, Storrs, Conn.

MICHIGAN

University of Michigan Medical Center
1405 E. Ann St., Box 45
Ann Arbor, Michigan 48109
Medical Director: A.J. French, MD
Educational Coordinator: F. Hartsuff
Prereq: 3 yrs Coll **Class Cap.:** 40 **Begins:** Jun/Jul **Length:** 12 mos **Tuition:** $635 Sem Res$1845 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Michigan;

Ferris State College
Big Rapids, Michigan 49307
Medical Director: N. Welch, MD
Program Director: S.L. Zablotney, PhD, MT(ASCP)
Educational Coordinator: P.O'Brien, MT(ASCP)SH
Prereq: 2 yrs Coll **Class Cap.:** 24 **Begins:** Sep **Length:** 7 qtrs **Tuition:** $268 qtRes $633 Non Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Crittenton Hospital, Rochester; Mercy Hospital, Muskegon; Central Michigan Community Hospital, Mt. Pleasant;

Oakwood Hospital
18101 Oakwood Blvd.
Dearborn, Michigan 48124
Medical Director: R.L. Mainwaring, MD
Program Director: K.R. Meyer, MD
Educational Coordinator: G. James, MT(ASCP)SBB
Prereq: 3-4 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **Next Survey:** 1980
Affiliates: Albion College, Albion; Ferris State College, Big Rapids; Michigan State University, East Lansing; Eastern Michigan Univ., Ypsilanti; Adrian College, Adrian; Central Michigan University, Mt. Pleasant; Wayne State Univ., Detroit

Detroit General Hospital
1326 St. Antonie
Detroit, Michigan 48226
Medical Director: B.J. Jenkins, MD
Educational Coordinator: J. Salancy, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $390 Qtr Res$961 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Wayne State University

Harper-Grace Hospitals
3990 John R St.
Detroit, Michigan 48201
Medical Director: A.R.W. Climie, MD
Program Director: J.A. Hoschner, MD
Educational Coordinator: M.J. Christiansen, MT(ASCP)SBB
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Wayne State University;

Henry Ford Hospital
2799 W. Grand Blvd.
Detroit, Michigan 48202
Medical Director: J.W. Rebuck, MD
Medical Director: K.A. Greenawald, MD
Program Director: J. Caldwell, PhD, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 25 **Begins:** Jun **Length:** 12 mos **Tuition:** Fee **Awards:** Cert. B.S. **Next Survey:** 1978
Affiliates: Wayne State University; Eastern Michigan Univ., Ypsilanti

Hutzel Hospital
4707 St. Antoine
Detroit, Michigan 48201
Program Director: E. Booth, MD
Educational Coordinator: D. Crockett, MT(ASCP)
Educational Coordinator: G. E. Hill, MT(ASCP)SBB
Prereq: 3 yrs Coll **Class Cap.:** 11 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Wayne State University

Mercy College of Detroit
8200 W. Outer Dr.
Detroit, Michigan 48219
Medical Director: T. Reyman, MD
Program Director: L.A. Renkowski, PhD
Educational Coordinator: A. Bongero, MT(ASCP)
Prereq: 2 Yrs Coll,MLT **Class Cap.:** 20 **Begins:** Sep **Length:** 18 mos **Tuition:** $1090 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Mount Carmel Mercy Hospital; Crittendon Hospital, Rochester;

Sinai Hospital of Detroit
6767 W. Outer Dr.
Detroit, Michigan 48235
Program Director: S.D. Kobernick, MD, PhD
Educational Coordinator: S.A. Finch, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** Univ. **Awards:** Cert. **Next Survey:** 1978
Affiliates: Wayne State University, Detroit

St. John's Hospital
22101 Moross Rd.
Detroit, Michigan 48236
Program Director: J.J. Humes, MD
Educational Coordinator: M. Kluka, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: University of Detroit; Nazareth College, Nazareth; Adrian College, Adrian

Wayne County General Hospital
30712 Michigan Ave.
Eloise, Michigan 48132
Program Director: R.W. Schmidt, MD
Educational Coordinator: J.L. Daksiewicz, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Michigan State University, East Lansing; Michigan Technological University, Houghton; Western Michigan University, Kalamazoo; Eastern Michigan University, Ypsilanti

Flint Osteopathic Hospital
3921 Beecher Rd.
Flint, Michigan 48502
Medical Director: G.E. Himes, DO, FAOCP
Program Director: J. Harris, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Michigan State University, East Lansing; University of Michigan, Flint; Western Michigan University, Kalamazoo

Hurley Medical Center
Sixth Ave. & Begole St.
Flint, Michigan 48502
Program Director: F.V. Hodges, MD
Educational Coordinator: J.A. Korth, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul-Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Michigan; Michigan Technological University, Houghton; Northern Michigan University, Marquette; Central Michigan University, Mt. Pleasant

Mc Laren General Hospital
401 S. Ballenger Hwy.
Flint, Michigan 48502
Program Director: K.W. Mikat, MD
Educational Coordinator: N.P. Young, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: University of Michigan; Western Michigan University, Kalamazoo; Central Michigan University, Mt. Pleasant; Eastern Michigan University, Ypsilanti; Ferris State College, Big Rapids

St. Joseph Hospital
302 Kensington Ave.
Flint, Michigan 48502
Medical Director: W.L. Eaton, MD
Educational Coordinator: N. VanDyke Kidder, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Michigan; Michigan Technological University, Houghton; Nazareth College, Kalamazoo; Eastern Michigan University, Ypsilanti; Adrian College, Adrian; Ferris State College, Big Rapids

Blodgett Memorial Medical Center
1840 Wealthy, S.E.
Grand Rapids, Michigan 49506
Medical Director: D.L. Kessler, MD
Program Director: L. Stanley, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Western Michigan Univ., Kalamazoo; Grand Valley State College, Allendale; Michigan Technological Univ., Houghton

Butterworth Hospital
100 Michigan St., N.E.
Grand Rapids, Michigan 49503
Program Director: J.D. Mann, MD
Educational Coordinator: F.A. Hill, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 13 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: Aquinas Coll; Albion Coll, Albion; Adrian Coll, Adrian; Alma Coll, Alma; Calvin Coll; Central M U, Mt. Pleasant; WMU, Kalamazoo; Grand Valley Sta Coll, Allendale; Hope Coll, Holland; Olivet Coll, Olivet; MI Sta U, E. Lansing; Ferris Sta Coll, Big Rapids; Dordt Coll, Sioux Center;

St. Mary's Hospital
200 Jefferson Avenue, S.E.
Grand Rapids, Michigan 49502
Program Director: H.E. Bowman, MD
Educational Coordinator: G. Doezema, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 13 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Calvin College; Aquinas College; Grand Valley State College, Allendale; Ferris State College, Big Rapids; Michigan State University, East Lansing; Western Michigan University, Kalamazoo

W. A. Foote Memorial Hospital, Inc.
205 N. East Ave.
Jackson, Michigan 49201
Program Director: H.B. Foley, MD
Educational Coordinator: J.M. Correll, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **Next Survey:** 1980
Affiliates: Spring Arbor College, Spring Arbor; Eastern Michigan University, Ypsilanti

Borgess Medical Center
1521 Gull Rd.
Kalamazoo, Michigan 49001
Program Director: P.M. Keep, MD
Educational Coordinator: B. Floyd, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Western Michigan University; Nazareth College

Bronson Methodist Hospital
252 E. Lovell St.
Kalamazoo, Michigan 49007
Program Director: A.H. Russcher, MD
Educational Coordinator: C.S. Hutchinson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Albion College, Albion; Ferris State College, Big Rapids; Grand Valley State College, Allendale; Michigan State University, E. Lansing; Western Michigan University, Kalamazoo

Edward W. Sparrow Hospital Association
1215 E. Michigan Ave.
Lansing, Michigan 48912
Program Director: W.E. Maldonado, MD
Educational Coordinator: J.E. Proudfoot, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 11 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Ferris Sta Coll, Big Rapids; MI Sta U, E. Lansing; Aquinas Coll, Grand Rapids; Adrian Coll, Adrian; Cen MI U, Mt. Pleasant; Adrian College, Adrian; Central Michigan University, Mt. Pleasant

St. Lawrence Hospital
1210 W. Saginaw
Lansing, Michigan 48914
Program Director: L.W. Walker
Educational Coordinator: S. Hampton, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Michigan State University, East Lansing; Michigan Technological University, Houghton

St. Mary Hospital
36475 Five Mile Rd.
Livonia, Michigan 48154
Program Director: D.R. Brock, MD
Educational Coordinator: R. Harrison, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** $125 **Awards:** Cert **Next Survey:** 1979
Affiliates: Madonna College; Michigan State University, Lansing;

Hackley Hospital & Medical Center
1700 Clinton St.
Muskegon, Michigan 49443
Program Director: H. De Leeuw, MD
Educational Coordinator: M. Ver Merris, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Grand Valley State College, Allendale; Calvin College, Grand Rapids; Western Michigan University, Kalamazoo; Albion College, Albion; Hope College, Holland; Michigan Technological University, Kalamazoo

Northern Michigan Hospitals-Burns Clinic Med. Ctr., P.C.
416 Connable St.
Petoskey, Michigan 49770
Program Director: J.H. Webster, MD
Educational Coordinator: W. Zoerhof, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Ferris State College, Big Rapids; Michigan Technological University, Houghton; Western Michigan University, Kalamazoo; Central Mich. University, Mt. Pleasant; Northern Michigan University, Marquette

Pontiac General Hospital
Seminole At W. Huron
Pontiac, Michigan 48053
Program Director: J.H. Libcke, MD
Educational Coordinator: H. Hillebrand
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ferris State College, Big Rapids; Michigan State University, East Lansing; Michigan Technological Univ., Houghton; Oakland University, Rochester; Western Michigan University, Kalamazoo; Eastern Michigan University, Ypsilanti

St. Joseph Mercy Hospital
900 Woodward
Pontiac, Michigan 48053
Program Director: W.O. Reid, MD
Educational Coordinator: S.J. Johnson, MS, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: MI Sta U, E. Lansing; MI Tech U, Houghton; Grand Val Sta Coll, Allendale; Oakland U, Rochester;

Port Huron Hospital
1001 Kearney St.
Port Huron, Michigan 48060
Program Director: C.M. Kopp, MD
Educational Coordinator: K. Schnur, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Feb-Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

William Beaumont Hospital
3601 West Thirteen Mile Rd.
Royal Oak, Michigan 48072
Program Director: R.H. Walker, MD
Educational Coordinator: L.L. Johnson, MT(ASCP)
Prereq: 3 Yrs Coll Degree **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Michigan State University, E. Lansing; Northern Michigan University, Marquette; Michigan Technological University, Houghton; Albion College, Albion; Marygrove College, Detroit; Aquinas College, Grand Rapids; St. Mary's College, South Bend, Ind.; Adrian College, Adrian; Oakland University; Western Michigan University, Kalamazoo

Saginaw Medical Center
1000 Houghton Street
Saginaw, Michigan 48602
Medical Director: J.R. Young, MD
Program Director: S. Cresswell, MT(ASCP)SBB
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Albion College, Albion; Grand Valley State College, Allendale; Alma College, Alma; Central Michigan University, Mt. Pleasant; Saginaw Valley College, Saginaw; Aquinas College, Grand Rapids; Lake Superior State College, Sault Ste Marie; Michigan Tech. University, Houghton; Western Michigan University, Kalamazoo

St. Mary's Hospital
830 S. Jefferson
Saginaw, Michigan 48601
Program Director: R.G. Hines, MD
Educational Coordinator: N. Lier, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 4 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Madonna College, Livonia; Saginaw Valley College, University City

Providence Hospital
16001 W. Nine Mile Rd.
Southfield, Michigan 48037
Medical Director: B. Silberberg, MD
Program Director: B. Silberberg, MD
Educational Coordinator: C.A. Shalhoub, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Siena Hgts Coll, Adrian; U of D, Detroit; No. MI U, Marquette; MI Tech U, Houghton; MI Sta U, E. Lansing; Oakland Univ., Rochester; Eastern Michigan U, Ypsilanti;

Munson Medical Center
Sixth & Madison Sts.
Traverse City, Michigan 49684
Program Director: L.P. Skendzel, MD
Educational Coordinator: T. Whalen, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Michigan State University, East Lansing; Ferris State College, Big Rapids; Northern Michigan University, Marquette; Aquinas College, Grand Rapids; Western Michigan University, Kalamazoo; Lake Superior State College, Sault Ste Marie; Grand Valley State College, Allendale; Michigan Technological University, Houghton

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MINNESOTA

College of St. Scholastica
1200 Kenwood Ave.
Duluth, Minnesota 55811
Medical Director: R.C. Flaa, MD
Program Director: Sr. M. Baxter, MA, MT(ASCP)
Educational Coordinator: M. Werner, MT(ASCP)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 39 mos **Tuition:** $2685 Yr **Awards:** B.A. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Mary's Hospital

St. Luke's Hospital
915 E. First St.
Duluth, Minnesota 55805
Medical Director: D.W. Kundel, MD
Educational Coordinator: P.M. Smith, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** $523 **Awards:** Cert **Next Survey:** 1978
Affiliates: St. Scholastica College, Duluth; Bemidji State College, Bemidji; Univ. of Wisconsin, Superior, Wisc.

Hennepin County Medical Center
701 Park Avenue
Minneapolis, Minnesota 55415
Medical Director: L. Peterson, MD
Program Director: L. Peterson, MD
Educational Coordinator: M.A. Smalley, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $450 **Awards:** B.A. B.S. Cert. **Next Survey:** 1979
Affiliates: Augsburg College; Bemidji State College, Bemidji; Mankato State College, Mankato; Gustavus Adolphus College, St. Peter; St. Cloud State College, St. Cloud; North Dakota State U., Fargo, N. Dak.; U. of North Dakota, Grand Forks, N. Dak.; Southwest Minnesota State College, Marshall; Wisconsin State University, La Crosse, Wisc.

Metropolitan Medical Center
900 S. Eighth St.
Minneapolis, Minnesota 55404
Medical Director: J.O. Swanson, MD
Educational Coordinator: D.K. Karlen, MT(ASCP), MS
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** $434 Yr **Awards:** B.A. B.S. **Next Survey:** 1979
Affiliates: Augsburg College; Bemidji State College, Bemidji; Gustavus Adolphus College, St. Peter; Winona State College, Winona; Luther College, Decorah, Ia.; Wartburg College, Waverly, Ia.; Augustana College, Sioux Falls, SD; U of Wisc-Eau Claire, Eau C.;

Northwestern Division of Abbott-Northwestern Hospital, Inc.
810 E. 27th St.
Minneapolis, Minnesota 55407
Medical Director: F.H. Lott, MD
Educational Coordinator: E.L. Ditmanson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** $418 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Augsburg College; Mankato State College, Mankato; Southwest Minnesota State College, Marshall; Winona State College, Winona; St. Cloud State College, St. Cloud; Bemidji State College, Bemidji; North Dakota State University, Fargo, N. Dak.; Wisconsin State University, River Falls, Wisc.

University of Minnesota Health Sciences Center
432 Morrill
Minneapolis, Minnesota 55455
Medical Director: E.S. Benson, MD
Program Director: R.F. Hovde, MS, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 60 **Begins:** Sep **Length:** 20 mos **Tuition:** $357 Qtr Res$982 Non-Res **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Minnesota; University of Minnesota Hospitals;

St. Cloud Hospital
1406 Sixth Ave., N.
St. Cloud, Minnesota 56301
Program Director: M.S. Bozanich, MD
Educational Coordinator: J. Ceynar, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $245 **Awards:** B.S. **Next Survey:** 1978
Affiliates: St. Cloud State College; College of St. Benedict, St. Joseph; Mankato State College, Mankato

Bethesda Lutheran Hospital
559 Capitol Blvd.
St. Paul, Minnesota 55103
Medical Director: A.W. Waters, MD
Educational Coordinator: B. Goyette, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $435 Yr **Awards:** B.A. B.S. Cert. **Next Survey:** 1978
Affiliates: Bemidji State College, Bemidji; Moorhead State College, Moorhead; St. Cloud State College, St. Cloud; Gustavus Adolphus College, St. Peter; North Dakota State University, Fargo, N. Dak.; Wisconsin State University, River Falls, Wisc.; Southwest State College, Marshall; Iowa State University, Ames, Iowa

Midway Hospital
1700 University Ave.
St. Paul, Minnesota 55104
Program Director: J. Uecker, MD
Educational Coordinator: P. Solberg, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** $433 **Next Survey:** 1980
Affiliates: Bethel College; Bemidji State College, Bemidji; Mankato State College, Mankato; Moorhead State College, Moorhead; St. Cloud State College, St. Cloud; Northwestern College, Orange City, Ia.; Northern State College, Aberdeen, S. Dak.; Univ. of Wisc. River Falls, Wisc.; Southwest Minnesota State College, Marshall; Sioux Falls College, Sioux Falls, S. Dak.

St. Joseph's Hospital
69 W. Exchange St.
St. Paul, Minnesota 55102
Program Director: L. Kvam, MD
Educational Coordinator: Sr. R. Davey, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** $525 **Awards:** Cert. **Next Survey:** 1979
Affiliates: Coll. of St. Cath. Coll of St. Bene., St. Joseph; U of Wisc-Lacrosse, Lac.; Viterbo Coll., Lac.; U of ND, G. Forks, ND; St. Cloud State Coll.; Mankato Sta U, Mankato;

St. Paul-Ramsey Hospital and Medical Center
640 Jackson St.
St. Paul, Minnesota 55101
Program Director: B.F. Woolfrey, MD
Educational Coordinator: M.K. Ryan, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jun **Length:** 12 mos **Tuition:** $418 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Hamline University; Mankato State College, Mankato; St. Cloud State College, St. Cloud; University of North Dakota, Grand Forks, N. Dak.

United Hospitals, Inc.-Miller Division
125 W. College Ave.
St. Paul, Minnesota 55102
Program Director: J.E. Edwards, MD
Educational Coordinator: B. Jones, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Mankato Sta U, Mankato; Winona Sta U, Winona; St.Cloud Sta U, St. C.; Moorhead Sta U, Moorhead; Bemidji Sta U, Bemidji; St. Mary's Coll, Winona;

MISSISSIPPI

University of Southern Mississippi
Box 5165, Southern Station
Hattiesburg, Mississippi 39401
Medical Director: E.M. Rehak, MD
Program Director: R.T. Crews, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 46 **Begins:** Jul-Jan **Length:** 12 mos **Tuition:** $903 Yr **Awards:** B.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Forrest Gen Hosp; Gulf Cst Comm Hosp, Biloxi; Hinds Gen Hosp, Jackson; Mem Hosp, Gulfport; Singing River Hosp, Pascagoula

Mississippi Medical Center
1225 N. State St.
Jackson, Mississippi 39201
Program Director: L. Schiesari, MD
Educational Coordinator: B.M. Covington, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Mississippi State University, Starkville; Mississippi College, Clinton; William Carey College, Hattiesburg

University of Mississippi Medical Center
2500 N. State St.
Jackson, Mississippi 39216
Medical Director: W.N. Bell, MD
Program Director: F.H. Freeman, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $580 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Gilmore Mem Hosp, Amory; NE Miss Hosp, Booneville; Madison Gen Hosp, Canton; Covington Cty Hosp, Collins; Magnolia Hosp, Corinth; Delta Med Ctr, Greenville; Granada Cty Hosp; H. Wilson Mem Hosp, Hazelhurst; Houston Hosp, Houston; Tishomingo Cty Hosp, Iuka; Holmes Cty Hosp, Lexington; SW Ms Reg Hosp, McComb; Franklin Cty Hosp, Meadville; F.G. Riley Hosp, Meridian; J. Davis Hosp, Natchez; Oxford-Lafayette Cty Hosp; Crosley Mem Hosp, Picayune; Tippah Cty Hosp, Riply;

Jones County Community Hospital
Jefferson at 13th
Laurel, Mississippi 39440
Medical Director: K.E. Hutchins, MD
Educational Coordinator: J.G. Rahaim, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Mississippi College, Clinton; Mississippi State College for Women, Columbus; William Carey College, Hattiesburg; Northeast Louisiana University, Monroe, La.; Univ. of Mississippi, University; Southeastern Louisiana Univ., Hammond, La.

North Mississippi Medical Center
830 S. Gloster
Tupelo, Mississippi 38801
Program Director: L.C. Costley, Jr, MD
Educational Coordinator: C. Sheffield, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ms Sta U, Starkville; Ms U for Women, Columbus; U of Ms, Oxford; Blue Mt Coll, Blue Mountain; NE La U, Monroe, LA

MISSOURI

DePaul Community Health Ctr.-DePaul Hosp.
12303 DePaul Dr.
Bridgeton, Missouri 63044
Program Director: J.D. Bauer, MD
Educational Coordinator: M.L. Gavin, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Maryville College; Lindenwood College, St. Charles; Colorado State Univ., Fort Collins, Colo.; Methodist College, Fayette

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Medical Director: J.F. Towsend, MD
Program Director: R.E. Oliver, PhD, MT(ASCP)
Educational Coordinator: L. Long, MEd., MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 40 **Begins:** May **Length:** 12 mos **Tuition:** $703 Yr Res $2598 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1978

St. John's Medical Center
2727 Mc Clelland Blvd.
Joplin, Missouri 64801
Program Director: J.R. Esther, MD
Medical Director: V.M. Carnes, MD
Educational Coordinator: T.J. Gile, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: Notre Dame College, St. Louis; Missouri Southern College; Kansas State College of Pittsburg, Pittsburg, Kan.; Southwest Missouri State College, Springfield

Baptist Memorial Hospital
6601 Rockhill Rd.
Kansas City, Missouri 64131
Medical Director: O.D. Smith, MD
Educational Coordinator: J.A. Long, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Ks Sta U, Manhattan, KS; UOM, Ks City; Central Mo Sta U, Warrensburg; Wm Coll, Liberty; SW Bapt Coll, Bolivar; Mo Wtrn Coll, St. Joseph; Rockhurst Coll, KC; Lincoln U, Jefferson City;

Menorah Medical Center
4949 Rockhill Rd.
Kansas City, Missouri 64110
Program Director: H. Marshall, MD
Educational Coordinator: L. Brunner, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: University of Missouri at Kansas City; Rockhurst College; Central Missouri State College, Warrensburg; Baker University, Baldwin City, Kan.

Research Hospital & Medical Center
2316 East Meyer Blvd.
Kansas City, Missouri 64132
Medical Director: J.M. Flynn, MD
Educational Coordinator: M.E. Heckman, PhD, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Ks Sta U, Manhattan, KS; UOM at KC;Pittsburg Sta U, Pitts.; Rockhurst Coll; Mo So Coll, Joplin; Mankato Sta U, Mankato; Wayne Sta Coll, Wayne; Mo Valley Coll, Marshall; NE Mo Sta U, Maryville; Mo Western Coll, St. Joseph;

St. Joseph Hospital
1000 Carondet Drive
Kansas City, Missouri 64114
Program Director: P.W. Keitges, MD
Educational Coordinator: E.L. Johnson, MEd., MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 2 sem **Tuition:** Yes **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: Avila college; Olathe Community Hospital, Olathe;

St. Luke's Hospital of Kansas City
Wornall Road at 44th
Kansas City, Missouri 64111
Medical Director: R.T. O'Kell, MD
Educational Coordinator: A.M. Baird, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 18 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: U of Mo at KC; Rockhurst Coll; NW Mo Sta Coll, Maryville; Cent Mo Sta U, Warrensburg; Mo Western Coll, St. Joseph; Missouri State College, Warrensburg; Missouri Western College, St. Joseph

St. Mary's Hospital
101 Memorial Dr.
Kansas City, Missouri 64108
Program Director: T.J. Fritzlen, MD
Educational Coordinator: T.M. Smith, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: UMKC; Rockhurst Coll; NW Mo Sta Coll, Maryville; St. Mary's Coll, Leavenworth; Mo Western Coll, St. Joseph;

Trinity Lutheran Hospital
31st & Wyandotte Sts.
Kansas City, Missouri 64108
Program Director: J.H. Hill, MD
Educational Coordinator: D. Gansert, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: University of Missouri at Kansas City; Northwest Missouri State College, Maryville; Mid-American Nazarene College, Olathe, Kan. Western Missouri State College, St. Joseph

North Kansas City Memorial Hospital
2800 Hospital Dr.
North Kansas City, Missouri 64116
Medical Director: W.R. McPhee, MD
Educational Coordinator: J.E. Cooper, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Feb-Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Missouri at Kansas City; William Jewel College, Liberty; Northwest Missouri State College, Maryville

Lester E. Cox Medical Center
1423 N. Jefferson
Springfield, Missouri 65802
Program Director: P.S. Quinn, MD
Educational Coordinator: M.F. Sheppard, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: SW Mo Sta Coll; Drury Coll; Evangel Coll; SW Bapt Coll, Bolivar; Sch of the Ozarks, Pt Lookout; Pittsburg Sta Coll, Pitts;

St. John's Regional Health Center
1235 E. Cherokee
Springfield, Missouri 65802
Program Director: T.L. Tombridge, MD
Educational Coordinator: C. Millstead, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: Southwest Missouri State University; Drury College; Missouri Southern State College, Joplin;

Missouri Baptist Hospital
3015 North Ballas Rd.
St. Louis, Missouri 63131
Medical Director: J.P. LaBach, MD
Educational Coordinator: J. Palermo, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 7 **Begins:** Jul **Length:** 12 mos **Tuition:** $1200 Yr **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: Lindenwood Coll, St. Charles; SW Bapt Coll, Bolivar; Wm Woods Coll, Fulton; Maryville Coll; SIU, Edwardsville, IL;

St. John's Mercy Medical Center
615 S. New Ballas Rd.
St. Louis, Missouri 63141
Medical Director: V.G. Palermo, MD
Educational Coordinator: M.K. Beiermann, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1200 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: Maryville College of the Sacred Heart; Notre Dame College; Fontbonne College; Southern Illinois University, Edwardsville, Ill.

St. Louis University
3525 Caroline Street
St. Louis, Missouri 63104
Medical Director: G.E. Gantner, MD
Educational Coordinator: A.W. Oller, MT(ASCP)
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jan-Sep **Length:** 39 mos **Tuition:** $1300 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Barnes Hospital; St. Mary's Health Center Hospital; Cardinal Glennon Memorial Hospital; Lutheran Med. Ctr.; St. Anthony's Med. Ctr.; St. Louis County Hosp.; Firmin Desloge Hosp.

The Jewish Hospital of St. Louis
216 S. Kingshighway Blvd.
St. Louis, Missouri 63110
Medical Director: J.S. Meyer, MD
Program Director: J.A. Torrey, M.Ed., MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1350 Yr **Awards:** B.S. Cert. **Next Survey:** 1980
Affiliates: Maryville Coll; SE Mo Sta Coll, Cape Girardeau; Cent Meth Coll, Fayette; Lindewood Coll, St. Charles; SIU, Edwardsville, IL

MONTANA

St. James Community Hospital
400 S. Clark St.
Butte, Montana 59701
Program Director: J.A. Newman, MD
Educational Coordinator: K. Cortese, MT(ASCP)
Prereq: Degree Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Montana State University, Bozeman; College of the Great Falls, Great Falls; Carroll College, Helena; Montana College of Mineral Science & Technology; Gonzaga University, Spokane, Wash.

Columbus Hospital
500 - 15th Avenue So.
Great Falls, Montana 59405
Program Director: J.R. Henneford, MD
Educational Coordinator: L. Breidenbach, MT(ASCP)
Prereq: Degree **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Carroll College, Helena; College of the Great Falls, Great Falls

Montana Deaconess Medical Center
1101 26th St., S.
Great Falls, Montana 59405
Program Director: S. Dachs, MD
Educational Coordinator: J. Keith, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

NEBRASKA

Bryan Memorial Hospital
4848 Sumner St.
Lincoln, Nebraska 68506
Medical Director: G. Gammel, MD
Program Director: C. Didion, MT(ASCP)MS
Educational Coordinator: K. French, MT(ASCP)SM
Prereq: 3 yrs Coll **Class Cap.:** 25 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $2400 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Chadron State College, Chadron; Kearney State College, Kearney; Northwestern College, Orange City, Iowa; Wayne State College, Wayne; Westmar College, Lemars, Iowa; Dana College, Blair; Doane College, Crete; Hastings College, Hastings; Midland Lutheran College, Fremont; Peru State College, Peru; South Dakota State Univ., Brookings, S.Dak.; College of St. Mary, Omaha

Pathology Medical Services, P.C.
56th & O Sts., Suite 203
Lincoln, Nebraska 68504
Medical Director: G.E. Gammel, MD
Educational Coordinator: J.E. Nelson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 25 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $600 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Nebraska Wesleyan University; Union College; Chadron State College, Chadron; Kearney State College, Kearney; Northwestern College, Orange City, Iowa; Wayne State College, Wayne; Westmar College, LeMars, Iowa

Archbishop Bergan Mercy Hospital
7500 Mercy Rd.
Omaha, Nebraska 68124
Medical Director: J.F. Fitzgibbons, MD
Educational Coordinator: R.C. Saunders, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $300 Yr
Awards: Cert. B.S. M.T. **Next Survey:** 1978
Affiliates: College of Saint Mary

Bishop Clarkson Memorial Hospital
44th & Dewey Ave.
Omaha, Nebraska 68105
Medical Director: E.G. Greene, MD
Educational Coordinator: M.M. Stewart, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jul **Length:** 12 mos **Tuition:** Univ. Req.
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of Nebraska; Nebraska Methodist Hospital

Nebraska Methodist Hospital
8303 Dodge St.
Omaha, Nebraska 68114
Program Director: J.R. Schenken, MD
Educational Coordinator: P.A. Muellenberg, MA
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** Univ. Yr Res $1750 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of Nebraska Medical Center; Bishop Clarkson Memorial Hosp.

St. Joseph Hospital
601 N. 30th St.
Omaha, Nebraska 68131
Medical Director: J.A. Sisson, MD
Program Director: M.M. Crane, MT(ASCP)MS,SH
Educational Coordinator: R. Dessler, MT(ASCP)
Educational Coordinator: M.J. Lux, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** May **Length:** 12 mos **Tuition:** Univ.
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1978

University of Nebraska College of Medicine
42nd & Dewey Ave.
Omaha, Nebraska 68105
Medical Director: J. Newland, MD
Program Director: W. Padgett, MT(ASCP)MS
Educational Coordinator: J.R. Snyder, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 40 **Begins:** Jul **Length:** 12 mos **Tuition:** $787 Yr
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Nebraska Methodist Hospital; Bishop Clarkson Memorial Hospital

West Nebraska General Hospital
4021 Avenue B
Scottsbluff, Nebraska 69361
Program Director: W.O. Brown, MD
Educational Coordinator: T. Lane
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **Next Survey:** 1978
Affiliates: Chadron State College, Chadron; Hastings State College, Hastings; University of Wyoming, Laramie, Wyoming; Colorado State University, Ft. Collins;

NEVADA

University of Nevada
Clark Administration Building
Reno, Nevada 89557
Medical Director: M. Haber, MD
Program Director: B. Merritt, MS, MT(ASCP)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug-Jan Jun-Jul **Length:** 38 mos **Tuition:** $23 Cr Hr
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Veterans Admin. Hosp.; Washoe Medical Center; St. Mary's Hospital; Sunrise Hospital, Las Vegas

NEW HAMPSHIRE

Mary Hitchcock Memorial Hospital
2 Maynard St.
Hanover, New Hampshire 03755
Program Director: E.E. French, MD
Educational Coordinator: E.A. Ward, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jul **Length:** 9 mos **Tuition:** Univ. **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of New Hampshire, Durham

NEW JERSEY

Cooper Medical Center
Sixth & Stevens Sts.
Camden, New Jersey 08103
Program Director: S. B. Burrows, MD
Educational Coordinator: M. Leff, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 11 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

West Jersey Hospital System
Mt. Ephraim Avenue
Camden, New Jersey 08104
Program Director: W.V. McDonnell, MD
Educational Coordinator: M.A. Warwick, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Rutgers U, Camden; Elizabethtown Coll, Elizabethtown, PA; UOS, Scranton, PA; Cabrini Coll, Radnor;

Hackensack Hospital
22 Hospital Pl.
Hackensack, New Jersey 07601
Program Director: M. Dragan, MD
Educational Coordinator: C. Eau Claire, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Feb-Jun **Length:** 12 mos **Tuition:** $500 Enroll Fee **Awards:** B.S. Cert. **Next Survey:** 1978

Metpath Institute School of Laboratory Medicine
60 Commerce Way
Hackensack, New Jersey 07606
Program Director: P.A. Krieger, MD
Educational Coordinator: J.R. Snyder, MT(ASCP)
Class Cap.: 20 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1983
Affiliates: Hackensack Hospital; North Jersey Blood Center; Columbia Presbyterian Hospital, New York, NY;

Monmouth Medical Center
Second Avenue
Long Branch, New Jersey 07740
Medical Director: H.M. Bowers, Jr,MD
Educational Coordinator: E. Passiment, Ed.M MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 24 **Begins:** Sep **Length:** 12 mos **Tuition:** $500 Yr
Awards: Cert. **Next Survey:** 1979
Affiliates: Riverview Hospital, Red Bank

The Mountainside Hospital
Bay & Highland Aves.
Montclair, New Jersey 07042
Program Director: F.Y. Watson, MD
Educational Coordinator: J. Sanduzzi, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Pace College, New York; Caldwell College for Women, Caldwell; Fairleigh Dickinson University, Teaneck, Madison, Rutherford; Marymount College, Tarrytown, N.Y.

Morristown Memorial Hospital
100 Madison Ave.
Morristown, New Jersey 07960
Program Director: H.F. Luddecke, MD
Educational Coordinator: C.H. Lyon, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Colorado Sta U, Fort Collins, Colorado; Fairleigh Dickinson University, Madison/Rutherford; Kean Coll of NJ, Union;

Jersey Shore Med. Ctr.-Fitkin Hospital
1945 Corlies Ave.
Neptune, New Jersey 07753
Medical Director: M.S. Krumerman, MD
Program Director: B. Amadeo, MD, Actg
Educational Coordinator: F.M. Cook, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: F. Dickinson U, Rutherford; Monmouth Coll, W.L. Beach; Rutgers U, N. Brunswick; Georgian Crt Coll, Lakewood; Quinnipiac College, Hamden, Conn.;

St. Peter's Medical Center
254 Easton Ave.
New Brunswick, New Jersey 08903
Medical Director: V.A. Galdi, MD
Educational Coordinator: A. D'Auria, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Caldwell College for Women, Caldwell; Richmond College, New York, N.Y.; Fairleigh Dickinson University, Rutherford; Wagner College, Staten Island, N.Y.

College of Medicine and Dentistry of New Jersey
100 Bergen St.
Newark, New Jersey 07103
Medical Director: N. Ende, MD
Program Director: H.D. Zane, MT(ASCP), MS
Prereq: 3 yrs Coll **Class Cap.:** 13 **Begins:** Jun **Length:** 12 mos **Awards:** B.S. Cert.
Next Survey: 1978
Affiliates: Seton Hall Univ., South; Rutgers Univ.; Kean College of New Jersey, Union

Newark Beth Israel Medical Center
201 Lyons Ave.
Newark, New Jersey 07112
Program Director: K. Gal, MD
Educational Coordinator: M. Greco, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** $800 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Rutgers State University; Jersey City State College, JC;

St. Michael's Medical Center
268 High St.
Newark, New Jersey 07102
Medical Director: R.E. Carnes, MD
Educational Coordinator: W.J. Kop, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** $300 Yr **Awards:** Cert **Next Survey:** 1978
Affiliates: Caldwell College, Caldwell; Fairleigh Dickinson University, Rutherford, Teaneck, Madison; Rutgers Sta University, Newark;

Hospital Center at Orange
188 S. Essex Ave.
Orange, New Jersey 07051
Medical Director: F. Pschibul, MD
Educational Coordinator: J. Dickinson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Pace College, New York, N.Y.; Marymount College, Tarrytown, N.Y.; Vermont College, Montpelier, Vt.

Bergen Pines County Hospital
E. Ridgewood Ave.
Paramus, New Jersey 07652
Program Director: E. Wagman, MD
Educational Coordinator: M. Ortiz, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Fairleigh Dickinson University, Madison

St. Mary's Hospital, Passaic
211 Pennington Ave.
Passaic, New Jersey 07055
Program Director: R. Brill, MD
Educational Coordinator: L. Alberto
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Fairleigh Dickinson University, Rutherford

Barnert Memorial Hospital Center
680 Broadway
Paterson, New Jersey 07514
Medical Director: J. Churg, MD
Educational Coordinator: E.S. Kirlin, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Fairleigh Dickinson University, Rutherford;

St. Joseph's Hospital and Medical Center
703 Main St.
Paterson, New Jersey 07503
Program Director: H.B. Hill, MEd.
Educational Coordinator: M.J. Ducate, MS, MT(ASCP)SM
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Fairleigh Dickinson University, Rutherford; Scranton Univ., Scranton, Pa.; Ladycliff Colege, Highland Falls, NY; Caldwell Coll., Caldwell; Georgian Court Coll., Lakewood; Quinnipiac Coll., Hamden, Conn.; St. Francis Aquinas College, Sparkhill, N.Y.

Muhlenberg Hospital
Park Ave. & Randolph Rd.
Plainfield, New Jersey 07061
Program Director: B.H. Hyun, MD
Educational Coordinator: M.J. Quinn, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 17 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** $150 Yr **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Centenary Coll.for Women, Hackettstown; Fairleigh Dickinson Univ., Madison; Douglass Coll., New Brunswick

The Medical Center at Princeton
253 Witherspoon St.
Princeton, New Jersey 08540
Program Director: L. Lee, MD
Educational Coordinator: C. Dignam, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: Fairleigh Dickinson Univ., Teaneck; Juniata Coll., Huntingdon, Pa.; Thomas Moore Coll., Fort Mitchell, Ky.; State Univ. of New York at Potsdam; Colby College, New Hampshire

Riverview Hospital
35 Union St.
Red Bank, New Jersey 07701
Program Director: A. G. Baldi, MD
Educational Coordinator: G. Bruzzano, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 3 **Begins:** Sep **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Valley Hospital
Linwood & N. Van Dien Aves.
Ridgewood, New Jersey 07451
Program Director: W.O. Green, Jr, MD
Educational Coordinator: N.A. Hibbard, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** $400 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Scranton, Scranton, Pa.; Fairleigh Dickinson Univ., Rutherford

Somerset Medical Center
Rehill Ave.
Somerville, New Jersey 08876
Program Director: A.S. Conston, MD
Educational Coordinator: M. Bonadies, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Wilkes College, Wilkes Barre, Pa.; Fairleigh-Dickinson U, Madison; Vermont Coll, Montpellier, VT; Mercy Coll, Dobbs Ferry, NY

St. Francis Medical Center
601 Hamilton Ave.
Trenton, New Jersey 08629
Program Director: F. Campo, MD
Educational Coordinator: L. Paxson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: St. Francis College, Loretto, Pa.; Gwynedd-Mercy College, Gwynedd, Pa.

NEW MEXICO

University of New Mexico School of Medicine
Albuquerque, New Mexico 87131
Medical Director: R.E. Anderson, MD
Program Director: B.A. Fricke, M.S.
Prereq: 3 yrs Coll **Class Cap.:** 24 **Begins:** Jul **Length:** 12 mos **Tuition:** $576 YrRes $1716 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Bernalillo County Med. Ctr.; Clovis Memorial Hosp., Clovis; Eastern New Mexico Med. Ctr., Roswell; Espanola Hosp., Espanola; Gallup Indiana Med. Ctr., Gallup; Los Alamos Med. Ctr., Los Alamos

Memorial General Hospital
Telshor at University
Las Cruces, New Mexico 88001
Program Director: R.A. Trompler, MD
Educational Coordinator: J. Reader, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: New Mexico State University;

NEW YORK

Albany Medical Center Hospital
New Scotland Ave.
Albany, New York 12208
Medical Director: W.A. Thomas, MD
Program Director: R.E. D'Alberto, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 25 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: State Univ. of New York at Albany; Russell Sage College, Troy

St. Peter's Hospital
315 S. Manning Blvd.
Albany, New York 12208
Program Director: T.S. Beecher, MD
Educational Coordinator: K. Bradley, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: Albany College of Pharmacy; State Univ. of N.Y. at Plattsburgh

Daemen College
4380 Main St.
Amherst, New York 14226
Medical Director: P. Vasilion, MD
Educational Coordinator: M.C. Ricotta, MT(ASCP)
Class Cap.: 14 **Tuition:** None **Awards:** None **Next Survey:** 1983

Binghamton General Hospital
Mitchell Ave.
Binghamton, New York 13903
Program Director: G.A. Fattal, MD
Educational Coordinator: E.M. Bickhart, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $1200 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: State University of New York at Fredonia; Hartwick College, Oneonta

Brooklyn Veterans Administration Hospital
800 Poly Pl.
Brooklyn, New York 11209
Program Director: F.A. Jimenez, MD
Educational Coordinator: E. Oydna, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Feb-Jun Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Long Island University; C.W. Post College of Long Island University, Greenvale; Pace College, New York; Richmond College, New York; Wagner College, Staten Island

Methodist Hospital of Brooklyn
506 Sixth St.
Brooklyn, New York 11215
Medical Director: F.G. Zak, MD
Program Director: E.M. Covitz, MS. MT(ASCP)
Educational Coordinator: L.S. Dines, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Aug **Length:** 12 mos **Tuition:** $2000 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Long Island Univ,; College of Staten Island; St. Francis College; New York City Community College

St. Mary's Hospital
1298 St. Marks Ave.
Brooklyn, New York 11213
Program Director: Y. Cho, MD
Educational Coordinator: Sr. M. Antoinette, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun-Sep Jan **Length:** 12 mos **Tuition:** $1100 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. John's University, Queens; Richmond College, Staten Island; Pace University, NY;

Mercy Hospital
565 Abbott Rd.
Buffalo, New York 14220
Program Director: A.B. Constantine, MD
Educational Coordinator: Sr. M. Barbara, MS, MT(ASCP)
Prereq: Degree **Class Cap.:** 13 **Begins:** Sep **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Rosary Hill College

Millard Fillmore Hospital
3 Gates Circle
Buffalo, New York 14209
Program Director: E.H. Jenis, MD
Educational Coordinator: W. Schreck, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $1200 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: RIT, Rochester; Daemen Coll, Amherst; Canisius Coll; D'Youville Coll; Fredonia University, Fredonia;

State University of New York at Buffalo
506 Capen Hall
Buffalo, New York 14214
Program Director: J.V. Fopeano, PhD
Educational Coordinator: B.R. Murphy, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $800 Jr.-Sr.Res $1300 Jr.-Sr.Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Erie County Laboratories; Children's Hospital; Veterans Administration Hospital

The Buffalo General Hospital
100 High St.
Buffalo, New York 14203
Medical Director: F.W. Brason, MD
Educational Coordinator: M. Richmond, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 26 **Begins:** Aug **Length:** 12 mos **Tuition:** 1200 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: Canisus College; D'Youville College; Daemen College;

Long Island U.-C.W. Post Center
Greenvale, New York 11548
Medical Director: T. Robertson, MD
Program Director: G. Whittaker, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 48 **Begins:** Sep-Jan **Length:** 10 mos **Tuition:** $1345 Sem **Awards:** None **Next Survey:** 1978
Affiliates: Comm Hosp at Glen Cove; N. Shore U Hosp, Manhasset; Nassau Hosp, Mineola; St. Francis Hosp, Roslyn; Manhasset Med Ctr, Mans.; Cent Gen Hosp, Plainview; Lenox Hill Hosp, NY; Nassau Cty Med Ctr, E. Meadow; St. Clare's Hosp, NY; Veteran's administration Hosp, Brooklyn;

Mary Immaculate Hospital
152-11 89th Ave.
Jamaica, New York 11432
Program Director: P.A. Remigio, MD
Educational Coordinator: A.P. Zero, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: York College; Richmond College, Staten Island; St. John's University

Northern Westchester Hospital Center
Main Street
Mt. Kisco, New York 10549
Medical Director: L. Alpert, MD
Program Director: S. Bora, PhD
Educational Coordinator: N. Horrace, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** None **Next Survey:** 1983

Cabrini Health Care Center
227 E. 19th St.
New York, New York 10003
Medical Director: W.D. Sharpe, MD
Educational Coordinator: A. Accetta, MS, MT(ASCP)
Prereq: B.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1978
Affiliates: St. John's U, Jamaica;

Lenox Hill Hospital
100 E. 77th St.
New York, New York 10021
Program Director: S.C. Sommers, MD
Educational Coordinator: M.M. O'Connor, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: C.W. Post College of Long Island University, Greenvale; Richmond College; Wagner College, Staten Island; Fordham University at Lincoln Center

St. Clare's Hospital & Health Center
415 W. 51st St.
New York, New York 10019
Program Director: J.R. Haddad, MD
Educational Coordinator: C. Torres-Balincongan, MT(ASCP
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Feb-Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Pace College; Richmond College; St. John's Univ., Jamaica; C.W. Post College, Greenvale; Mercy College, Dobbs Ferry; Marymount College, Tarrytown

St. Vincent's Hospital & Medical Center of N.Y.
153 W. 11th St.
New York, New York 10011
Program Director: Sr. C. Sherry, MT(ASCP)
Medical Director: J.F. Gillooley, MD
Educational Coordinator: V.T. White, BS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jun **Length:** 12 mos **Tuition:** $1000 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: St. John's University; Pace College; Adelphi U, Garden City; Staten Isl College of the CUNY;

Rochester General Hospital
1425 Portland Ave.
Rochester, New York 14621
Program Director: Z.M. Tomkiewicz, MD
Educational Coordinator: J. Seely, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 18 **Begins:** Aug **Length:** 12 mos **Tuition:** $1200 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: State Univ. of N.Y., Geneseo; Rochester Inst. of Tech.; Univ. of Scranton, Scranton, Pa.; Roberts Wesleyan College, N. Chili

Rochester St. Mary's Hospital of the Sisters of Charity
89 Genesee St.
Rochester, New York 14611
Medical Director: A.J. Marx, MD
Program Director: B.L. Stein, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 18 **Begins:** Jul **Length:** 12 mos **Tuition:** $800 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: State University of New York at Fredonia; Rochester Institute of Technology;

Ellis Hospital
1101 Nott St.
Schenectady, New York 12308
Program Director: G.F. Parkhurst, MD
Educational Coordinator: L. Cartwright, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Hartwick College, Oneonta; Russell Sage College, Troy; North Adams State College, North Adams, Mass.

U.S. Public Health Service
Bay st. & Vanderbilt Ave.
Staten Island, New York 10304
Program Director: C. Logun, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 24 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: College of Staten Island; Wagner College; Pace University, Brooklyn; Fairleigh Dickinson Univ., New Jersey

State University of New York at Stony Brook
Stony Brook, New York 11794
Medical Advisor: M. Kuschner, MD
Program Director: M.H. Rosenfeld, PhD, MT(ASCP)
Educational Coordinator: B.S. Ciechowski, MS, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 26 **Begins:** Sep **Length:** 22 mos **Tuition:** $90 Res 1500 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Long Island Jewish-Hillside Med. Center, New Hyde Park; Queens Hosp. Center, Jamaica; Northport Veterans admin. Hosp., Northport; Brookhaven National Laboratory, Upton; Nassau County Medical Center, East Meadow;

State University of New York-Upstate Medical Center
766 Irving Ave.
Syracuse, New York 13210
Medical Director: J.B. Henry, MD
Program Director: H. Rolen, MA, MT(ASCP)
Educational Coordinator: B. Martin, MS, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Aug **Length:** 21 mos **Tuition:** $450 Sem Res$750 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Crouse-Irving Memorial Hospital; V. A. Hospital

Samaritan Hospital
2215 Burdett Ave.
Troy, New York 12180
Program Director: E. Anzola, MD
Educational Coordinator: M. Mastrianni, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Russell Sage College; North Adams State College, N. Adams, Mass.

Utica College of Syracuse University
Burrstone Rd.
Utica, New York 13502
Medical Director: D. Stowens, MD
Program Director: A. Fiumara, MT(ASCP)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep-Jan **Length:** 48 mos **Tuition:** $3475 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Luke's Memorial Hospital; St. Elizabeth Hospital; Rome City Hospital; Imogene-Bassett Hospital, Cooperstown; Madison Co. Bacteriology Lab., Oneida; Arnot-Ogden Hosp., Elmira; Community-General Hosp., Syracuse; Glen Falls Hosp.

NORTH CAROLINA

University of North Carolina
South Building
Chapel Hill, North Carolina 27514
Medical Director: W. McLendon, MD
Program Director: J. Stephan, ScD, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 32 **Begins:** Fall **Length:** 21 mos **Tuition:** $630 Yr Res $2682 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978

Charlotte Memorial Hospital and Medical Center
1000 Blythe Blvd.
Charlotte, North Carolina 28203
Medical Director: M. Leakan, MD
Educational Coordinator: E. Anderson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Atlantic Christian College, Wilson; Univ. of N.C. at Charlotte; Barber Scotia College, Concord; Gardner Webb College, Boiling Springs; Lenoir Rhyne College, Hickory

Mercy Hospital, Inc.
2001 Vail Avenue
Charlotte, North Carolina 28207
Medical Director: H.T. DeHaven, MD
Program Director: Sr. M.M. Snow, MT(ASCP)MAT
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $100 Fee **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Barber-Scotia College, Concord; Belmont-Abbey College, Belmont; University of North Carolina; Johnson C. Smith University

Presbyterian Hospital
P. O. Box 33549
Charlotte, North Carolina 28237
Program Director: J.H. Riddick, Jr, MD
Educational Coordinator: J.R. McGee, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Aug-Jan **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of North Carolina; Lenoir-Rhyne College, Hickory; Western Carolina University, Cullowhee

Western Carolina University
Moore Hall
Cullowhee, North Carolina 28723
Medical Director: R. Morrison, MD
Program Director: D.K. Southern, MT(ASCP)
Educational Coordinator: N.B. Cook, MT(ASCP)
Class Cap.: 22 **Next Survey:** 1983

Duke University Medical Center
Box 3701
Durham, North Carolina 27710
Medical Director: F.K. Widmann, MD
Program Director: M.C. Schmidt, MT(ASCP), MAT
Educational Coordinator: C.L. Wells, MT(ASCP) MEd
Educational Coordinator: L.H. Lynn, MT(ASCP)
Educational Coordinator: K.B. Beam, MT(ASCP) MS
Prereq: 2 yrs Coll **Class Cap.:** 24 **Begins:** Sep **Length:** 18 mos **Tuition:** Univ. Req. **Awards:** B.H.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Duke University Medical Center; V.A. Hospital;

Cape Fear Valley Hospital
Owen Drive Box 2000
Fayetteville, North Carolina 28302
Program Director: C.L. Wells, MD
Educational Coordinator: M. DiCenzo, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Andrews Presbyterian College, Laurinburg; University of North Carolina, Wilmington; Barber-Scotia College, Concord; Campbell College, Buies Creek; Pembroke State Univ., Pembroke

Moses H. Cone Memorial Hospital
1200 N. Elm St.
Greensboro, North Carolina 27420
Medical Director: R. M. Gay, MD
Program Director: C.P. Taylor, MEd, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $554 Yr **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: University of North Carolina

East Carolina University
Greenville, North Carolina 27834
Program Director: S.T. Smith, PhD, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 16 **Begins:** Sep **Length:** 21 mos **Tuition:** $260 Sem Res$1120 Non-Res **Awards:** B.S. **Next Survey:** 1978
Affiliates: Wayne County Hospital, Goldsboro; Pitt County Hospital, Greenville; Nash General Hospital, Rocky Mt.; Wilson Hospital, Wilson; Lenoir County Hospital, Kinston

Rex Hospital
1311 St. Mary's St.
Raleigh, North Carolina 27603
Program Director: R.E. Kanich, MD
Educational Coordinator: L.F. Gillen, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $700 **Awards:** Cert. B.S. **Next Survey:** 1978
Affiliates: Campbell College, Buie's Creek; North Carolina State University

New Hanover Memorial Hospital
2131 S. 17th St.
Wilmington, North Carolina 28403
Program Director: H.P. Singletary, MD
Educational Coordinator: W.K. Slagle, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 13 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: North Carolina State University, Raleigh; University of North Carolina

Bowman Gray School of Medicine of Wake Forest University
300 S. Hawthorne St.
Winston-Salem, North Carolina 27103
Program Director: R.W. Prichard, MD
Medical Director: M.L. O'Connor, MD
Educational Coordinator: P. Wills, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 24 **Begins:** Jul-Jan **Length:** 12 mos **Tuition:** $750 Yr **Awards:** Cert. B.S. **$Aid:** Scholarship **Next Survey:** 1978

Forsyth County Hospital Authority, Inc.
3333 Silas Creek Pkwy.
Winston-Salem, North Carolina 27103
Medical Director: J. B. Dudley, MD
Educational Coordinator: J. Basch, SH(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Western Carolina University, Cullowhee; Greensboro College, Greensboro; East Carolina Univ., Greenville; Salem College; Lenoir Rhyne College, Hickory

NORTH DAKOTA

St. Alexius Hospital
Ninth & Thayer
Bismarck, North Dakota 58501
Program Director: C.L. Bakken, MD
Educational Coordinator: L.M. Steiner, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Mary College; Dickinson State College, Dickinson; North Dakota State University, Fargo; University of North Dakota, Grand Forks; Moorhead State College, Moorhead, Minn.

St. Luke's Hospitals
Fifth St. & Mills Ave.
Fargo, North Dakota 58102
Program Director: J.H. Coffey, MD
Educational Coordinator: G. Ulmer, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 22 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** Univ. **Awards:** B.S. **Next Survey:** 1978
Affiliates: North Dakota State University; Jamestown College, Jamestown; Moorhead State College, Moorhead, Minnesota; Concordia College, Moorhead, Minn.

University of North Dakota School of Medicine
University Station
Grand Forks, North Dakota 58202
Program Director: C.J. Dillenburg, MD
Program Director: A.W. Bruce, MT(ASCP)
Educational Coordinator: M.F. Johnson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** May **Length:** 12 mos **Tuition:** $545 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: St. Paul-Ramsey County Hospitals, St. Paul, Minn.; St. Joseph's Hospital, St. Paul, Minn.; Hennepin County Med. Ctr., Minneapolis, Minn.; St. Joseph's Hosp., Minot; St. Alexius Hosp., Bismarck; The Fairfax Hosp., Falls Church, Va.; Trinity Medical Center, Minot

St. Joseph's Hospital
Third St. & Fourth Ave., S.E.
Minot, North Dakota 58701
Program Director: G.R. Richardson, MD
Educational Coordinator: R. Hill, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** $50 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: North Dakota State University, Fargo; University of North Dakota, Grand Forks; Minot State College; Gustavus Adolphus, St. Peter, Minn.; Mary College, Bismarck

Trinity Medical Center
Main Street & 4th Ave., S.W.
Minot, North Dakota 58701
Program Director: J.C. Smith, II, MD
Educational Coordinator: D.A. Wood, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $352 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of North Dakota, Grand Forks; Minot State College; Gustavus Adolphus College, St. Peter, Minn.; North Dakota State Univ., Fargo

OHIO

Akron City Hospital
525 E. Market St.
Akron, Ohio 44309
Medical Director: F.P. Urso, MD
Educational Coordinator: P. Hoebner, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Akron; Ashland College, Ashland; Kent State University, Kent; Youngstown State University, Youngstown; Mount Union College, Alliance; Malone College, Canton

Akron General Medical Center
400 Wabash Ave.
Akron, Ohio 44307
Medical Director: J.R. Snoga
Educational Coordinator: H.J. Veil, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Akron; Ashland College, Ashland; Kent State University, Kent; Mt. Union College, Alliance; Malone College, Canton

Children's Hospital Medical Center
281 Locust St.
Akron, Ohio 44308
Medical Director: H.J. Igel, MD
Program Director: L.J. Randles, MA
Educational Coordinator: S.W. Conner, MA
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1980
Affiliates: Mount Union College, Alliance; University of Akron; Kent State University, Kent; Bowling Green State University, Bowling Green;

St. Thomas Hospital
444 N. Main St.
Akron, Ohio 44310
Program Director: E.G. Wilt, MD
Educational Coordinator: J.R. Kimmel, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Akron; Kent State University, Kent; Mount Union College, Alliance; Walsh Jesuit College, Canton; Indiana University of Pennsylvania, Indiana; University of Scranton, Scranton, Pa.

Barberton Citizens Hospital
155 5th St. NE
Barberton, Ohio 44203
Program Director: R.E. Ruiz, MD
Educational Coordinator: M. McArtor, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: St. Francis College, Loretto, Pa.; University of Akron, Akron; Kent State University, Kent; Malone College, Canton

Aultman Hospital Association
2600 Sixth St., S. W.
Canton, Ohio 44710
Program Director: V.T. Mehta, MD
Educational Coordinator: R.A. Ball, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul-Jan **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **Next Survey:** 1978
Affiliates: University of Akron, Akron; Mount Union College, Alliance; Ashland College, Ashland; Malone College; Kent State University, Kent; Findlay College, Findlay; Youngstown State University, Youngstown

Bethesda Hospital Oak & Deaconess Association
619 Oak St.
Cincinnati, Ohio 45206
Program Director: V. Hinrichs, MD
Educational Coordinator: W.R. Todd, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1000 **Awards:** B.A. **Next Survey:** 1978
Affiliates: Ohio University, Athens; University of Cincinnati; Xavier University; Miami University, Oxford; Eastern Kentucky State University, Richmond, Kentucky

Christ Hospital
2139 Auburn Ave.
Cincinnati, Ohio 45219
Program Director: C.G. Massion, MD
Educational Coordinator: K.M Norton, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** $1000 **Awards:** B.S. **Next Survey:** 1980
Affiliates: University of Cincinnati; Miami University, Oxford; Purdue University, West Lafayette;

Good Samaritan Hospital
3217 Clifton Ave.
Cincinnati, Ohio 45220
Medical Director: J.A. Preston, MD
Educational Coordinator: S. Selden, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** B.S. B.A. **Next Survey:** 1978
Affiliates: Edgecliff Coll.; Xavier Univ.; Thomas More Coll., Fort Mitchell, Ky.; College of Mount St. Joseph, Mount St. Joseph; Eastern Kentucky State University, Richmond, Ky.

Jewish Hospital
3200 Burnett Ave.
Cincinnati, Ohio 45229
Program Director: P. Wasserman, MD
Educational Coordinator: M. Blee, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ohio University, Athens; University of Cincinnati; Eastern Kentucky State University, Richmond, Ky.

Providence Hospital
2446 Kipling
Cincinnati, Ohio 45239
Program Director: J. Kahn, MD
Educational Coordinator: D. Simpson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: U of Cin; Xavier U; Miami U, Oxford; Coll of Mt St. Joseph on the Ohio; Morehead Sta U, Mh, Kentucky;

University of Cincinnati-General Hospital
Eden & Bethesda Avenues
Cincinnati, Ohio 45267
Medical Director: C.R. MacPherson, MD
Program Director: H.L. Smith, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: U. of Cincinnati

Cleveland Clinic Educational Foundation
9500 Euclid Ave.
Cleveland, Ohio 44106
Program Director: J.W. King, MD
Educational Coordinator: S. Bodie, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. B.A. Cert. **Next Survey:** 1979
Affiliates: Kent State Univ., Kent; Thiel College, Greenville, Pa.; Youngstown State Univ., Youngstown; West Liberty College, W. Liberty, W. Va.; Cleveland State University

Cleveland Metropolitan General Hospital
3395 Scranton Rd.
Cleveland Ohio 44109
Program Director: J.D. Reid, MD
Educational Coordinator: P. Dolak, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1982
Affiliates: Defiance College, Defiance; Ashland College, Ashland; Cleveland State University; Akron Univ., Akron; Indiana Univ. of Pennsylvania, Indiana, Pa.; Kent State University, Kent; College of Steubenville, Steubenville

Fairview General Hospital
18101 Lorain Ave.
Cleveland, Ohio 44111
Program Director: H.R. Peterjohn, MD
Educational Coordinator: D.L. Grim, MT(ASCP)
Prereq: 4 Yrs Coll **Class Cap.:** 10 **Begins:** Jul-Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Lutheran Medical Center
2609 Franklin Blvd.
Cleveland, Ohio 44113
Program Director: W. Sinclair, MD
Educational Coordinator: J. Karouzos, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Mount Union College, Alliance; Ohio University, Athens; Cleveland State University; Kent State Univ., Kent; Valparaiso University, Valparaiso, Ind.

Mt. Sinai Hospital of Cleveland
1800 E. 105th St.
Cleveland, Ohio 44106
Program Director: K. Simak, MD
Educational Coordinator: E. Roeder, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Kent State University, Kent; Cleveland State Univ.; Miami University, Oxford; Mt. Union College, Alliance; Univ. of Akron, Akron; Adrian College, Adrian; Bowling Green University, Bowling Green;

St. Alexis Hospital
5163 Broadway Ave.
Cleveland, Ohio 44127
Program Director: A.F. Naji, MD
Medical Advisor: K. Jassani, MD
Educational Coordinator: E. Verosta, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: St. Francis College, Fort Wayne, Indiana; Kent State University, Kent; Akron Univ., Akron

University Hospitals of Cleveland
2065 Adelbert Rd.
Cleveland, Ohio 44106
Program Director: R.F. Parker, MD
Educational Coordinator: J.R. Wingenfeld, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jun **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Bowling Green Sta U, B.G.; Casr Western Reserve U; Notre Dame Coll;Allegheny Coll, Meadville, PA; Kent State U, Kent; Purdue University, Lafayette, Ind.; Miami University, Oxford; Heidelberg College, Tiffin; Mary Manse College, Toledo

The Ohio State University
1583 Perry Street
Columbus, Ohio 43210
Medical Director: J.C. Neff, MD
Program Director: A.R. Sutton, MS, MT(ASCP)
Prereq: 2 yrs Coll or Degree **Class Cap.:** 60 **Begins:** Sep-Mar **Length:** 15 mos **Tuition:** $325 Qtr Res$720 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Miami University, Oxford

Good Samaritan Hospital and Health Center
2222 Philadelphia Drive
Dayton, Ohio 45406
Medical Director: L.H. Van Der Hoeven, MD
Program Director: S. Pohl, MT(ASCP)
Educational Coordinator: C.A. Forster Hughes, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 13 mos **Tuition:** $1000 **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Dayton; Wright State University; College of Mount St. Joseph, Mount St. Joseph; Edgecliff College; Thomas Moore Coll., Fort Mitchell, Kentucky; Xavier Univ., Cincinnati; Eastern Richmond Univ., Richmond

Miami Valley Hospital
1 Wyoming St.
Dayton, Ohio 45409
Medical Director: J.W. Funkhouser, MD
Program Director: M.R. Carroll, MA, MT(ASCP)
Educational Coordinator: B.A. Shroyer, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jun **Length:** 13 mos **Tuition:** $1000 **Awards:** B.S. Cert **Next Survey:** 1978
Affiliates: Ashland Coll, Ashland; U of Dayton; Wright Sta U; Otterbein Coll, Westville; Wilmington Coll, Wilmington;

St. Elizabeth Medical Center
601 Miami Blvd., W.
Dayton, Ohio 45408
Program Director: W. Abramson, MD
Educational Coordinator: M. Cornett, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jun **Length:** 12 mos **Tuition:** $800 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: University of Dayton; Wright State University; Ohio Univ., Athens

Huron Road Hospital
13951 Terrace Rd.
East Cleveland, Ohio 44112
Program Director: I. Ahmad, MD
Educational Coordinator: A.S. Gray, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: Ashland College, Ashland; Kent State University, Kent; Cleveland State University, Cleveland

Elyria Memorial Hospital
630 E. River St.
Elyria, Ohio 44035
Program Director: R.G. Thomas, MD
Educational Coordinator: E.C. Kraps, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Ashland College, Ashland; Western Michigan University, Kalamazoo; Kent State University, Kent; Baldwin Wallace College, Berea

Mercy Hospital
116 Dayton St.
Hamilton, Ohio 45011
Program Director: J.H. Brandabur, MD
Educational Coordinator: L.J. Lang, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. **Next Survey:** 1980
Affiliates: Edgecliff College, Cincinnati; Xavier University, Cincinnati; Miami University, Oxford; Ohio Univ., Athens

Kettering Medical Center
3535 Southern Blvd.
Kettering, Ohio 45429
Medical Director: G.W. Bylsma, MD
Program Director: B.C. Ellison, MT(ASCP)
Educational Coordinator: D.E. Tatum, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 14 **Begins:** Jun **Length:** 13 mos **Tuition:** $1500 Yr **Awards:** Cert **Next Survey:** 1981
Affiliates: Andrews University, Berrien Springs; Southern Missoinary College, Collegedale, Tenn.; University of Dayton, Dayton; Wright State University, Dayton

St. Rita's Hospital
730 W. Market St.
Lima, Ohio 45801
Program Director: H.H. Cheng, MD
Educational Coordinator: J. Evans, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ohio Northern University, Ada; Bowling Green State University, Bowling Green

Mansfield General Hospital
335 Glessner Ave.
Mansfield, Ohio 44903
Medical Director: E. Aguado, MD
Program Director: P.N. Ladefoged, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Bowling Green State Univ., Bowling Green; Ashland College, Ashland; Heidelberg College, Tiffin

Southwest General Hospital
18697 E. Bagley Road
Middleburg Heights, Ohio 44130
Medical Director: R.W. Aubrey, MD
Educational Coordinator: C. Miller, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 5 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Muskingum College; Baldwin-Wallace College

St. Charles Hospital
2600 Navarre Ave.
Toledo, Ohio 43616
Medical Director: W.H. Hartung, Jr, MD
Educational Coordinator: M. Schroeder, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Bowling Green State University, Bowling Green; University of Toledo;

Northern Columbiana County Community Hospital
1995 E. State St.
Salem, Ohio 44460
Medical Director: W.A. Kolozsi, MD
Educational Coordinator: J. Bigham, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $250 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Kent State University, Kent; Youngstown State Univ., Youngstown; Mount Union College, Alliance

Community Hospital of Springfield & Clark County
2615 E. High St.
Springfield, Ohio 45501
Medical Director: H.A. Diederichs, MD
Program Director: P.L. Flesher, MT(ASCP)
Educational Coordinator: M.C. Weimer,MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** B.S. A.B. Cert. **Next Survey:** 1979
Affiliates: Wright State University, Dayton; Eastern Kentucky State University, Richmond, Kentucky; Wittenberg University

Ohio Valley Hospital
380 Summitt Ave.
Steubenville, Ohio 43952
Program Director: H.W. Haverland, MD
Educational Coordinator: M. Vizyak, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: College of Steubenville; West Liberty State University, West Liberty, W.Va.

Mercy Hospital
2200 Jefferson Ave.
Toledo, Ohio 43624
Program Director: D.J. Hanson, MD
Educational Coordinator: E. Brittingham, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 9 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Bowling Green State University, Bowling Green; Mary Manse College; University of Toledo

Riverside Hospital
1600 Superior St.
Toledo, Ohio 43604
Program Director: D.B. Harding, Jr, MD
Educational Coordinator: R. Tjan, SAB,MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Mary Manse College; Bowling Green State University, Bowling Green; Univ. of Toledo

St. Vincent Hospital & Medical Center
2213 Cherry St.
Toledo, Ohio 43608
Medical Director: A. Bennett, MD
Program Director: W.D. Hann, PhD
Educational Coordinator: V.M. Chenault, MA, MT(ASCP)
Educational Coordinator: C.S. Holton, MT(ASCP) CLS
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Bowling Green State University, Bowling Green;

The Toledo Hospital
2142 N. Cove Blvd.
Toledo, Ohio 43606
Medical Director: W.A. Nordin, MD
Program Director: E.C. Ridenour, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Bowling Green State University, Bowling Green; Mary Manse College; University of Toledo

Trumbull Memorial Hospital
1350 E. Market St.
Warren, Ohio 44482
Program Director: S.R. Butcher, MD
Educational Coordinator: J.K. Obermiyer, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Ashland College, Ashland; Thiel College, Greenville, Pennsylvania; Kent State University, Kent; Youngstown State University, Youngstown; Slippery Rock State College, Slippery Rock, Pa.; Malone College, Canton; Mount Union College, Alliance

St. Elizabeth Hospital
1044 Belmont Ave.
Youngstown, Ohio 44501
Program Director: B. Taylor, MD
Educational Coordinator: E.P. Mahadeviah,MS,MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Youngstown State Univ.; Kent State Univ., Kent; Central State Univ., Wilberforce; Mt. Union College, Alliance

The Youngstown Hospital Association-North Unit
345 Oak Hill Avenue
Youngstown, Ohio 44501
Program Director: J.R. Gillis, MD
Educational Coordinator: R. Glass, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Ohio University, Athens; Bowling Green State University, Bowling Green; Thiel College, Greenville, Pennsylvania; Kent State University, Kent; Youngstown State University, Youngstown

OKLAHOMA

Valley View Hospital
1300 E. Sixth St.
Ada, Oklahoma 74820
Program Director: L.W. Cartmell, MD
Educational Coordinator: S. Bearden, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: East Central State College; Southeastern State College, Durant; Central State College, Edmond; University of Oklahoma, Norman; Oklahoma State College, Stillwater; Southwestern State College, Weatherford

Jane Phillips Episcopal Memorial Medical Center
410 E. F. Phillips Blvd.
Bartlesville, Oklahoma 74003
Medical Director: J.W. Cochran, MD
Program Director: J.D. Green, Jr, MD
Educational Coordinator: J. Johansen, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1980

St. Mary's Hospital
302 S. Fifth St.
Enid, Oklahoma 73701
Program Director: C.E. Baker, MD
Educational Coordinator: S. Ratzlaff, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Phillips University; SW Oklahoma State University, Weatherford; NW Oklahoma State University, Alva; Central State University, Edmond; Oklahoma State University, Stillwater; East Central State University, Ada; Tabor College, Hillsboro, Kansas; Wichita State University, Wichita, Kansas;

Comanche County Memorial Hospital
3401 Gore Blvd.
Lawton, Oklahoma 73502
Program Director: R. Dix, MD
Medical Director: R. Boatsman, MD
Educational Coordinator: S.M. Lewis, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Cameron College; Langston Univ., Langston; Southwestern State College, Weatherford; Univ. of Oklahoma, Norman; Panhandle State College, Goodwell; Central State University, Edmond; Southeastern State College, Durant; Oklahoma State Univ., Stillwater; Oklahoma College of Liberal Arts, Chickasha; East Central State College, Ada

Muskogee General Hospital
300 Rockefeller Dr.
Muskogee, Oklahoma 74401
Program Director: T.S. Gafford, Jr, MD
Educational Coordinator: M. Cheeseman, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: East Central State College, Ada; Central State College, Edmond; University of Oklahoma, Norman; Oklahoma State College, Still- water; Northeastern State College, Tahlequah; Southwestern State College, Weatherford; Southeastern Okla. State University, Durant; Muskogee Clinical Lab., Muskogee

Baptist Medical Center of Oklahoma
3300 N.W. Expressway
Oklahoma City, Oklahoma 73112
Medical Director: J. Hensley, MD
Educational Coordinator: A. Kongs, MT(ASCP)SH
Prereq: 3-4 yrs Coll **Class Cap.:** 12 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

Mercy Health Center
4300 W. Memorial Rd.
Oklahoma City, Oklahoma 73120
Program Director: P. Neagle, MD
Educational Coordinator: B.W. Javine, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Oklahoma City Univ.; Southwestern State College, Weatherford; Northeastern State College, Tahlequah; East Central State Univ., Ada; Central State Univ., Edmond; Oklahoma Univ., Norman; Oklahoma Liberal Arts College, Chichasha; Southeastern Oklahoma State College, Durant; Bethany Nazerene College, Bethany; Oral Roberts Univ., Tulsa; Northwestern State College, Alva; Panhandle State Univ., Goodwell Northwestern State College, Alva; Panhandle State University, Goodwell

Presbyterian Hospital
NE 13th Street at Lincoln Blvd
Oklahoma City, Oklahoma 73104
Medical Director: F. Myers, MD
Educational Coordinator: J. Mathis, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $50 Mth **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: OK City U; OK Christian Coll; Bethany Nazarene Coll, Bethany; OK U, Normal; SW State Coll, Weatherford; OK Stat U, Stillwater; OK Baptist U, Shawnee; E.Central State Coll, Ada; Langston U, Langston; Cen'l Sta Coll, Edmond; Northwestern State College, Alva

St. Anthony Hospital
1000 N. Lee
Oklahoma City, Oklahoma 73102
Program Director: W.T. Snoddy, MD
Educational Coordinator: H. Bruner, MT(ASCP).
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: East Central State College, Ada; Central State College, Edmond; Oklahoma Christian College; University of Oklahoma; South- western State College, Weatherford; Northeastern State College, Tahlequah; Oklahoma State Univ., Stillwater; Oklahoma College of Liberal Arts, Chickasha

University of Oklahoma, Health Sciences Center
801 NE 13th
Oklahoma City, Oklahoma 73190
Medical Director: R.Gillum, MD
Program Director: B.J. Lloyd, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 18 **Begins:** Aug **Length:** 21 mos **Tuition:** $16 SemHr Res $49 Non-Res **Awards:** B.S. **Next Survey:** 1978
Affiliates: University Hospitals and Clinics; Oklahoma Children's Memorial Hospital; Veterans Administration Hospital Oklahoma Blood Institute, Oklahoma City;

Hillcrest Medical Center
1120 S. Utica
Tulsa, Oklahoma 74104
Program Director: D.E. Van Wormer, MD
Educational Coordinator: N. Wenstrom, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.A. **Next Survey:** 1980
Affiliates: Univ. of Tulsa; Univ. of Oklahoma, Norman; Oklahoma State Univ., Stillwater; Southeastern State College, Durant; Northeastern State College, Tahlequah; Southwestern State College, Weatherford

St. Francis Hospital
6161 S. Yale Ave.
Tulsa, Oklahoma 74136
Program Director: J.E. Hale, MD
Educational Coordinator: L.E. Potts, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. B.S. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: East Central State College, Ada; Central State College, Edmond; University of Oklahoma, Norman; Oklahoma State College, Still- water; Northeastern State College, Tahlequah; University of Tulsa; Southwestern State College, Weatherford; Southeastern State College, Durant; Langston University, Langston; Oklahoma College of Liberal Arts, Chickasna

St. John Medical Center
1923 S. Utica Ave.
Tulsa, Oklahoma 74104
Program Director: B.O. Bliss, MD
Educational Coordinator: E. Taff, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 24 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: University of Tulsa; Oklahoma State Univ.; Univ. of Oklahoma; Southwestern State College, Weatherford; Northeastern State Univ., Tahlequah; Oral Roberts Univ.

OREGON

Sacred Heart General Hospital
1200 Adler St., PO Box 10905
Eugene, Oregon 97440
Medical Director: J.D. Miller, MD
Program Director: B.J. Yates, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Oct **Length:** 12 mos **Tuition:** $900 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Eastern Washington State College, Cheney, Wash.; Oregon Technical Institute, Klamath Falls

St. Vincent Hospital & Medical Center
9205 S. W. Barnes Rd.
Portland, Oregon 97225
Program Director: J.E. Nohlgren, MD
Medical Director: A.A. Oyama, MD
Educational Coordinator: N. Wright, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Univ. of Portland; Portland State Univ.; Seattle Univ., Seattle, Wash.; Oregon Institute of Technology, Klamath Falls; Maryhurst College

University of Oregon Health Sciences Center
3181 S.W. Sam Jackson Park Rd.
Portland, Oregon 97201
Medical Director: M.E. Berroth, MD
Educational Coordinator: M.E. Baptist, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 50 **Begins:** Aug **Length:** 12 mos **Tuition:** $272 Qtr Res$855 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978

PENNSYLVANIA

Abington Memorial Hospital
1200 Old York Rd.
Abington, Pennsylvania 19001
Medical Director: J.W. Eiman, MD
Program Director: B.J. Scheelje, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 16 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Albright College, Reading; Beaver College, Glenside; Bloomsburg College, Bloomsburg; Cabrini College, Radnor; Cedar Crest College, Allentown; Centenary College for Women, Nackettstown, NJ; Colby College-New Hampshire, New London, NH; Elizabethtown Albright Coll; Beaver Coll; Bloomsburg Coll; Cabrini Coll; Cedar Crest Coll; Centenary Coll For Women; Colby Coll-New Hamp; Elizabethtown Coll; Gwynedd-Mercy Coll; Indiana U of Penn; Juniata Coll; Lebanon Val Coll; Lycoming Coll; Maywood Coll; Millersville Sta Coll; Moravian Coll; St. Francis Coll; Shippensburg Sta Coll; Spr Garden Coll; U of Scranton; Seaton Hill Coll

Allentown and Sacred Heart Hospital Center
1200 South Cedar Crest Blvd.
Allentown, Pennsylvania 18105
Medical Director: J.J. Shane, MD
Educational Coordinator: J. Dombrosky, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Moravian Coll, Bethlehem; Cedar Crest Coll; Kutztown Sta Coll, Kutztown; Marywood Coll, Scranton; Shippensburg Coll, Ship.

Allentown Hospital Association
17th & Chew Sts.
Allentown, Pennsylvania 18102
Program Director: A. Nedwich, MD
Educational Coordinator: H.E. Sanner Jr., MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: Moravian College, Bethlehem; Cedar Crest College; Millersville State College, Millersville; Wilkes College, Wilkes Barre; Shippensburg State College, Shippensburg; Kutztown State College, Kutztown; University of Scranton, Scranton;

Sacred Heart Hospital
421 Chew St.
Allentown, Pennsylvania 18102
Medical Director: F.V. Kostelnik, MD
Educational Coordinator: J.M. Amos, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: Cedar Crest College; Lebanon Valley College, Annville; College Misericordia, Dallas; Gwynedd-Mercy College, Gwynedd Valley; Albright College, Reading; Marywood College, Scranton; Bloomsburg College, Bloomsburg; Cabrini College, Radnor; Kutztown State College, Kutztown; Millersville State College, Millersville; Shippensburg State College, Shippensburg; East Stroudsburg State College, East Stroudsburg

Altoona Hospital
7th & Howard Ave.
Altoona, Pennsylvania 16603
Medical Director: E. Sneff, MD
Educational Coordinator: J.M. Yandle, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. B.A. **$Aid:** Stipend **Next Survey:** 1978

Our Lady of Angels College
Convent Road
Aston, Pennsylvania 19014
Medical Director: H.B. Spector, MD
Educational Coordinator: Sr. M.M. Lewis, MT(ASCP)
Class Cap.: 15 **Begins:** Sep **Tuition:** $2050 Yr **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Clinical Laboratories of Crozer-Chester Medical Center, Upland, Pennsylvania;

St. Luke's Hospital
801 Ostrum St.
Bethlehem, Pennsylvania 18015
Program Director: E.J. Benz, MD
Educational Coordinator: J.R. DeNofa, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Moravian College; Shippensburg State College, Shippensburg; Millersville State College, Millersville; Cabrini College, Radnor; Indiana University of Pa.; Kutztown State College, Kutztown

Lower Bucks Hospital
Bath Rd. & Orchard Ave.
Bristol, Pennsylvania 19007
Medical Director: D.E. Bassert, MD
Program Director: D.E. Bassert, MD
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Degre **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Philadelphia College of Pharmacy & Science, Philadelphia; Scranton Univ., Scranton; Cabrini College, Radnor

Bryn Mawr Hospital
Bryn Mawr Ave.
Bryn Mawr, Pennsylvania 19010
Medical Director: J.J. McGraw, Jr, MD
Educational Coordinator: S.W. Norton, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Wilson College, Chambersburg, MD; Univ. of Scranton, Scranton; Millersville State College, Millersville; Shippensburg State College, Shippensburg; Gwynedd-Mercy College, Gwynedd Valley; Eastern College, St. Davids; Cabrini College, Radnor; Colorado State Univ., Ft. Collins, CO

Geisinger Medical Center
North American Avenue
Danville, Pennsylvania 17821
Program Director: J.J. Moran, MD
Educational Coordinator: A. Swartzentruber, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Jul-Jan **Length:** 12 mos **Tuition:** $800 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: Pennsylvania State University, University Park; Bloomsburg State College, Bloomsburg; Shippensburg State College, Shippensburg

Saint Vincent Health Center
232 W. 25th St.
Erie, Pennsylvania 16544
Medical Director: R.T. Renz, MD
Program Director: S.W. Lawton, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: California State College, California; Edinboro College, Edinboro; Gannon College; Villa Maria College; Mercyhurst College; Thiel College, Greenville; Clarion State College, Clarion; Slippery Rock State College, Slippery Rock

Harrisburg Hospital
South Front St.
Harrisburg, Pennsylvania 17101
Medical Director: S.K. Bhattacharj, MD, PhD
Educational Coordinator: J.M. Fogleman, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** B.S. **Next Survey:** 1178
Affiliates: Lebanon Valley College, Annville; Wilson College, Chambersburg; Elizabethtown College, Elizabethtown; Indiana University of Pennsylvania, Indiana; Millersville State College, Millersville; Shippensburg State College, Shippensburg; Clarion State College, Clarion; Slippery Rock State College, Slippery Rock; Thiel College, Greenville

Harrisburg Polyclinic Hospital
Third St. & Polyclinic Ave.
Harrisburg, Pennsylvania 17105
Program Director: J.W. Potok, DO
Educational Coordinator: M. Black, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. Degre **Next Survey:** 1978
Affiliates: Lebanon Val Coll, Annville; Elizabethtown Coll, Eliz'town; Shippensburg Sta Coll, Ship.; Messiah Coll, Gratham; Indiana University of Pennsylvania, Indiana;

Lancaster General Hospital
555 N. Duke St.
Lancaster, Pennsylvania 17604
Medical Director: W.M. O'Donnell, MD
Educational Coordinator: N. Gladfelter, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Lebanon Valley College, Annville; Bloomsburg State College, Bloomsburg; Elizabethtown College, Elizabethtown; Millersville State College, Millersville; Albright College, Reading; Shippensburg State College, Shippensburg; Lycoming College, Williams- port; York College, York; Juniata College, Huntingdon

St. Joseph Hospital
250 College Ave.
Lancaster, Pennsylvania 17604
Medical Director: W.O. Umiker, MD
Program Director: W.O. Umiker, MD
Educational Coordinator: S. White, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1500 Yr **Awards:** B.S. B.A. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Elibethtown Coll, Eliz'town; St. Francis Coll, Loretto; Millersville Sta Coll, Mlirsvlle; York Coll, York; IUP, Indiana; Shippensburg State College, Shippensburg

Latrobe Area Hospital
W. Second Ave.
Latrobe, Pennsylvania 15650
Medical Director: W.W. Jetter, MD
Program Director: N.J. Hoenshel, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $850 Sem **Awards:** B.S. **Next Survey:** 1978
Affiliates: Indiana University of Pennsylvania, Indiana

McKeesport Hospital
1500 Fifth Ave.
McKeesport, Pennsylvania 15132
Medical Director: F.P. Paat, MD
Program Director: M.L. Frantz, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $600 Yr **Awards:** B.S. Cert. **Next Survey:** 1980
Affiliates: Pennsylvania State University, University Park

Hahnemann Medical College & Hospital
230 N. Broad St.
Philadelphia, Pennsylvania 19102
Medical Director: E. Rubin, MD
Educational Coordinator: L.N. Boclair, MEd., MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 21 mos **Tuition:** $2300 Yr **Awards:** B.S. **Next Survey:** 1981

Lankenau Hospital
Lancaster Ave.
Philadelphia, Pennsylvania 19151
Program Director: I.K. Kline, MD
Educational Coordinator: L. Burns, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $600 **Awards:** B.S. **Next Survey:** 1980
Affiliates: Pennsylvania State U., State College

Nazareth Hospital
2601 Holme Ave.
Philadelphia, Pennsylvania 19152
Medical Director: W.J. Warren, MD
Educational Coordinator: Sr. M. Egelius, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $700 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: Holy Family College; Cabrini College

Pennsylvania Hospital
Eighth & Spruce Sts.
Philadelphia, Pennsylvania 19107
Medical Director: J.P. Decker, MD
Program Director: M. Rondish, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $600 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Pennsylvania State University, University Park

Temple University
3307 N. Broad St.
Philadelphia, Pennsylvania 19140
Medical Director: J.H. Baum, PhD
Program Director: N.M. Bering, MA, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $975 Sem Res$1675 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Episcopal Hospital

Thomas Jefferson University
11th & Walnut Sts.
Philadelphia, Pennsylvania 19107
Medical Director: G. Aponte, MD
Program Director: E.A. Turner, PhD
Prereq: 2 yrs Coll **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $3400 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Chestnut Hill Hospital; Thomas Jefferson Univ. Hosp.

University of Pennsylvania
420 Service Dr.
Philadelphia, Pennsylvania 19104
Medical Director: P. Viola, MD
Program Director: R.E. Brown, MT(ASCP)
Prereq: Univ. Req. **Class Cap.:** 20 **Begins:** Sep **Length:** 42 mos **Tuition:** $4520 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978

Allegheny General Hospital
320 E. North Ave.
Pittsburgh, Pennsylvania 15212
Medical Director: R.J. Hartsock, MD
Educational Coordinator: M.L. Moore, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 15 **Begins:** June **Length:** 12 mos **Tuition:** $600 **Awards:** B.S. **Next Survey:** 1979
Affiliates: California State College, California; Pennsylvania State University, University Park

Mercy Hospital of Pittsburgh
1400 Locust St.
Pittsburgh, Pennsylvania 15219
Program Director: J.A. Cooper, MD
Educational Coordinator: E. Steele, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jun **Length:** 12 mos **Tuition:** $750 Yr **Awards:** B.A. B.S. **Next Survey:** 1978
Affiliates: California State College, California; Duquesne University; Carlow College

University of Pittsburgh
106 Pennsylvania Hall
Pittsburgh, Pennsylvania 15260
Medical Director: A.J. Amortegui, MD
Program Director: A. Albers, MS, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 20 mos **Tuition:** $745 Sem Res$1490 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Children's Hospital; Citizen's General Hospital, New Kensington; Magee Womens Hospital; Montefiore Hospital; Presbyterian University Hospital; Braddock General Hosp.; Bradford Hosp.; Butler County Memorial Hosp.; Central Blood Bank of Pittsburgh; Chester County Hosp.; Chestnut Hill Hosp.; Crozier-Chester Medical Center; Lee Hosp.; Jeanette District Memorial Hosp., Jeannette; Veterans Administration Hosp.; Monongahela Valley Hosp., Inc., Charleror

Western Pennsylvania Hospital
4800 Friendship Ave.
Pittsburgh, Pennsylvania 15224
Medical Director: A. Stavrides, MD
Educational Coordinator: V.D. Craig, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** $850 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Adrian College, Adrian, MI; California State College, California; Clarion State College, Clarion; College of Steubenville, Steubenville, O.; Edinboro State Coll., Edinboro; Indiana Univ. of Pennsylvania, Indiana; LaRoche Coll., Allison Park; Ohio Univ., Athens, O.; Point Park Coll., Pittsburgh; St. Francis Coll., Loretto; Seton Hill Coll., Greensburg; Slippery Rock State College, Slippery Rock; Thiel College, Greenville; Washington & Jefferson College, Washington; West Liberty State Coll., W. Liberty, W. Va.; Point Park Coll.; Wilson Coll., Chambersburg; Youngstown State U., Youngstown, O.

Reading Hospital and Medical Center
Sixth & Spruce Sts.
Reading, Pennsylvania 19603
Program Director: M.S. Reed, MD
Educational Coordinator: C. Dobler, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Albright College; Alvernia College; Kutztown State College, Kutztown; Millersville State College, Millersville; Shippensburg State College, Shippensburg; Lebanon Valley College, Annville

Saint Joseph Hospital
P. O. Box 316
Reading, Pennsylvania 19603
Program Director: J. Chen See, MD
Educational Coordinator: J.S. Wade, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Kutztown State College, Kutztown; Albright College; Alvernia College, Shillington; Shippensburg State College, Shippenburg

Robert Packer Hospital
Guthrie Square
Sayre, Pennsylvania 18840
Medical Director: D.R. Weaver, MD
Program Director: J.L. Bender, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** $960 Yr **Awards:** B.S. **Next Survey:** 1978
Affiliates: Bloomsburg State College, Bloomsburg; College of Misericordia, Dallas; Edinboro College, Edinboro; Elmira College, Elmira, N.Y.; Houghton College, Houghton, N.Y.; Mansfield State College, Mansfield; Marywood College, Scranton; Wilkes College, Wilkes-Barre; King's College, Wilkes-Barre; Lycoming College, Williamsport

Washington Hospital
155 Wilson Ave.
Washington, Pennsylvania 15301
Medical Director: E.L. Abernathy, MD
Educational Coordinator: C.D. Asbury, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: West Liberty College, West Liberty, W. Va.; Waynesburg College

Wilkes-Barre General Hospital
N. River & Auburn Sts.
Wilkes-Barre, Pennsylvania 19764
Medical Director: C.W. Koehl, MD
Program Director: H.M. Ruane, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $300 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Wilkes College; King's College; College Misericordia, Dallas; Bloomsburg State College, Bloomsburg

Divine Providence Hospital
1100 Grampian Blvd.
Williamsport, Pennsylvania 17701
Medical Director: G. Ahmed, MD
Program Director: L.A. Moffatt
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Lycoming College; Univ. of Scranton, Scranton; College Misericordia, Dallas; Clarion State College, Clarion

Williamsport Hospital
777 Rural Ave.
Williamsport, Pennsylvania 17701
Medical Director: D.K. Weaver, MD
Program Director: J.L. Damaska, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.A. **Next Survey:** 1978
Affiliates: Mansfield State College, Mansfield; University of Scranton, Scranton; Lycoming College; Bloomsburg State College, Bloomsburg; Clarion State College, Clarion; Lock Haven State College, Lock Haven; Millersville State College, Millersville; Shippensburg State College, Shippensburg

York Hospital
1001 S. George St.
York, Pennsylvania 17405
Medical Director: J.P. Whiteley, MD
Educational Coordinator: B.L. Kile, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** $550 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: Elizabethtown College, Elizabethtown; Millersville State College, Millersville; Shippensburg State College, Shippensburg; York College

PUERTO RICO

Catholic University of Puerto Rico
P.O. Box Station 6
Ponce, Puerto Rico 00731
Program Director: J.B. Morales, MD
Educational Coordinator: M.G. de Santiago, MT(ASCP)
Educational Coordinator: E. Figueroa-Coimbre, MT(ASCP)
Prereq: 3 yrs Coll B.A. **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $2041 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Damas Hospital; Dr. Pila Hospital; St. Luke's Memorial Hospital; Ponce District Hospital

Institute of Health Laboratories
P.O. Box 10427
Santurce Sta., Puerto Rico 00922
Medical Director: O.C. Mandry, MD
Program Director: J.L. Villamil, MD
Educational Coordinator: A.O. Cruz
Prereq: 3 Yrs Coll or B.S. **Class Cap.:** 35 **Begins:** Aug **Length:** 12 mos **Tuition:** $450 **Awards:** B.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Univ. of Puerto Rico, Mayaguez; Sagrado Corazon Univ., Santurce; Univ. of Puerto Rico, Humacao; Inter American Univ., San German; V.A. Hospital, Rio Piedras; Hospital El Maestro; Hospital La Concepcion, San German

RHODE ISLAND

General Hospital, Rhode Island Medical Center
Box 8269
Cranston, Rhode Island 02920
Medical Director: H.Y. Lee, MD
Educational Coordinator: L. Sutherland, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: URI, Kingston; R.I. Coll., Providence; Salve Regina Coll., Newport; A.Maria Coll, Paxton, MA; SMU, N. Darthmouth, MA

Newport Hospital
Friendship St.
Newport, Rhode Island 02840
Medical Director: M.A. Chernow, MD
Educational Coordinator: S.M. Collins, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** $1350 Yr
Awards: B.S. Cert. **Next Survey:** 1978
Affiliates: Southeastern Massachusetts University, N. Dartmouth, Mass; Salve Regina College, Newport

St. Joseph's Hospital
200 High Service Avenue
North Providence, Rhode Island 02907
Medical Director: S.R. Allegra, MD
Program Director: G.L. Cok, PhD, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 16 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: University of Rhode Island, Kingston; Rhode Island College; Southeastern Massachusetts University, N. Dartmouth, Mass. Salve Regina College; Barrington College;

Memorial Hospital
Prospect & Pond Sts.
Pawtucket, Rhode Island 02860
Medical Director: T.S. Micolonghi, MD
Program Director: C.M. Geddes, MT(ASCP)
Educational Coordinator: J.A. Autotte, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Univ. of Rhode Island, Kingston; Southeastern Massachusetts University, North Dartmouth, Mass.; Rhode Island College, Providence; Salve Regina College, Newport

Miriam Hospital
164 Summit Ave.
Providence, Rhode Island 02906
Medical Director: H.C. Lichtman, MD
Medical Director: S.M. Aronson, MD
Program Director: S.J. LeClair, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Univ. of Rhode Island, Kingston; Rhode Island College; Southeastern Mass. Univ., N. Dartmouth, Mass.; Salve Regina College, Newport

Rhode Island Hospital
593 Eddy St.
Providence, Rhode Island 02902
Medical Director: G.F. Meissner, MD
Program Director: D. Berger
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: U of RI, N. /kingston; RI College; S.E. Mass University, Dartmouth, MA; Salve Regina College, Newport;

SOUTH CAROLINA

Anderson Memorial Hospital
800 N. Fant St.
Anderson, South Carolina 29621
Program Director: E.E. Baillie, MD
Program Director: G.L. Huff, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $450
Awards: B.A. B.S. Cert. **$Aid:** Scholarship
Next Survey: 1978
Affiliates: Clemson University, Clemson; Converse College, Spartanburg; Erskine College, Due West; Lander College, Greenwood

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Program Director: A.B. Glassman, MD
Educational Coordinator: H.E. Galloway
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 21 mos **Tuition:** $880 Res $1760 Non-Res **Awards:** B.S. **$Aid:** Scholarship
Next Survey: 1978
Affiliates: College of Charleston

South Carolina Baptist Hospital
Taylor at Marion
Columbia, South Carolina 29220
Medical Director: H.F. Henderson Jr., MD
Educational Coordinator: B.F. Elliot, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Jan-Jun **Length:** 13 mos **Tuition:** $125 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Univ. of South Carolina; Columbia Coll.; Erskine Coll., Due West; Lander Coll., Greenwood; Winthrop Coll., Rock Hill; Augusta College, Augusta, Ga.; Benedict College; Landers College, Greenwood; Providence Hosp., S.C. Dept. of Health and Environmental Control

Greenville Hospital System
701 Grove Rd.
Greenville, South Carolina 29605
Program Director: E.A. Dreskin, MD
Educational Coordinator: P.F. Thompson, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Twice Year **Length:** 12 mos **Tuition:** $175
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Converse College; Clemson University, Clemson; Landers College, Greenwood

Self Memorial Hospital
Spring St.
Greenwood, South Carolina 29646
Medical Director: C.H. Magruder, MD
Educational Coordinator: R.E. Proctor, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Feb-Jun **Length:** 12 mos **Tuition:** None
Awards: B.S. B.A. **Next Survey:** 1978
Affiliates: Lander College; Clemson University, Clemson; Erskine College, Due West; Augusta College, Augusta, Ga.; Newberry College, Newberry

SOUTH DAKOTA

St. Luke's Hospital
305 S. State St.
Aberdeen, South Dakota 57401
Medical Director: W.T. Sweeny, MD
Program Director: Sr. M.J. White, MT(ASCP)
Educational Coordinator: E. Bassinger, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** $750 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Northern State College; South Dakota State University, Brookings; University of S.D., Vermillion, SD;

Huron Regional Medical Center
Fourth & Iowa Sts., S.E.
Huron, South Dakota 57350
Medical Director: C.C. Lardinois, Sr., MD
Educational Coordinator: H. Clark, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 4 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** $700 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Huron College; Northern State College, Aberdeen; South Dakota State University, Brookings; Mary College, Bismarck; University of Wyoming, Laramie, Wyoming

Rapid City Regional Hospital, Inc.
1018 11th St.
Rapid City, South Dakota 57701
Medical Director: J.T. Elston, MD
Program Director: B. Fingerhut, MT(ASCP)
Educational Coordinator: S. Dallago, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** $900 Yr
Awards: Cert. B.S. B.A. **Next Survey:** 1979
Affiliates: Northern State College, Aberdeen; South Dakota State University, Brookings; University of South Dakota, Vermillion, SD;

McKennan Hospital
800 E. 21st St.
Sioux Falls, South Dakota 57101
Medical Director: L.R. Wagner, MD
Educational Coordinator: D. Sauer, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $1000 Yr
Awards: B.A. B.S. **Next Survey:** 1978
Affiliates: Northern State College, Aberdeen; South Dakota State University, Brookings; Augustana College; University of South Dakota, Vermillion; Mt. Marty College, Yankton; N.D. State Univ., Fargo; Southwest Minnesota State College, Marshall, Minn.; University of Wisconsin, Superior, Wisc.; Dordt College, Sioux Ctr., Iowa

Sioux Valley Hospital
1100 S. Euclid
Sioux Falls, South Dakota 57105
Medical Director: J.F. Barlow, MD
Program Director: E. Bergh, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $1025 Yr
Awards: B.S. B.A. **Next Survey:** 1979
Affiliates: Northern State College, Aberdeen; South Dakota State University, Brookings; Northwestern College, Orange City, Iowa; Augustana College; Sioux Falls College; University of South Dakota, Vermillion; Mount Marty College, Yankton; Dordt College, Sioux Ctr., Iowa; Southwest Minnesota State College, Marshall, Minn.

Sacred Heart Hospital
1000 W. Fourth St.
Yankton, South Dakota 57078
Medical Director: J.T. Tidd, MD
Educational Coordinator: Sr. M.M. Muhovich, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $960 Yr
Awards: Cert. **Next Survey:** 1979
Affiliates: Mt. Marty College; Univ. of South Dakota, Vermillion; South Dakota State Univ., Brookings; Yankton College, Yankton

TENNESSEE

Baroness Erlanger Hospital
975 E. Third St.
Chattanooga, Tennessee 37411
Medical Director: J.H. Abramson, MD
Program Director: E.C. Shirley, MAT MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Varies **Length:** 12 mos **Tuition:** None
Awards: B.S. **Next Survey:** 1978
Affiliates: Tennessee Wesleyan College, Athens; University of Tennessee; Southern Missionary College, Collegedale; Tennessee Technological University, Cookeville; Carson-Newman College, Jefferson City

Cumberland School of Medical Technology
North Washington Ave. Plaza
Cookeville, Tennessee 38501
Medical Director: H.G. Browne, MD
Program Director: L. Floyd, MT(ASCP)
Educational Coordinator: C.H. Acuff, MT(ASCP)
Prereq: 3yrs Coll **Class Cap.:** 24 **Begins:** Feb,Aug **Length:** 12 mos **Tuition:** $700 Qtr.
Awards: Diplom **Next Survey:** 1983
Affiliates: Parkview Hospital, Nashville; Clinical Laboratories of Nashville;

Holston Valley Community Hospital
West Ravine Rd.
Kingsport, Tennessee 37662
Medical Director: J. Salcedo, MD
Program Director: B. Teets, MT(ASCP)
Educational Coordinator: D.R. Broyles, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: East Tennessee State Univ., Johnson City; Lincoln Memorial Univ., Harrogate; Clinch Valley College, Wise, Va.; Tusculum College, Greeneville

University of Tennessee Memorial Hospital
1924 Alcoa Hwy.
Knoxville, Tennessee 37920
Medical Director: F.S. Jones, MD
Program Director: N. Latimer, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 14 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** Univ. Req. **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of Tennessee

Madison Hospital
500 Hospital Dr.
Madison, Tennessee 37115
Program Director: V.W. Stuyvesant, MD
Medical Director: L.W. Homer, MD
Educational Coordinator: V.L. Boatman, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978

Baptist Memorial Hospital
899 Madison Ave.
Memphis, Tennessee 38146
Program Director: E.E. Muirhead, MD
Medical Director: G. Bale, MD
Educational Coordinator: A.K. Davidson, MEd, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Parkview Hospital, Nashville; Clinical Labs of Nashville;

Methodist Hospital
1265 Union Ave.
Memphis, Tennessee 38104
Medical Director: A.J. Wilson, MD
Program Director: S. Davis, MEd., MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Univ. of Mississippi, Oxford, Miss.; Murray State Univ., Murray, Ky.; Millsaps College, Jackson, Miss.; Montana State Univ., Bozeman, Mont.; Mississippi University for Women, Columbus, Miss.; Mississippi State Univ., Starksville, Miss.; Memphis State Univ.; Lambuth Coll., Jackson; Delta State College, Cleveland, Miss.; Christian Brothers College

St. Joseph Hospital
220 Overton Ave.
Memphis, Tennessee 38105
Medical Director: W.T. Hayes, MD
Program Director: L.N. Autry, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 13 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Memphis State Univ.; Christian Brothers College; Middle Tennessee State Univ., Murfreesboro

The University of Tennessee Center for the Health Sciences
62 South Dunlap
Memphis, Tennessee 38163
Medical Director: J.T. Francisco, MD
Director: B.G. Davis, MEd, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 22 mos **Tuition:** $180 Qtr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: City of Memphis Hospitals; V.A. Hospital

Baptist Hospital, Inc.
2000 Church St.
Nashville, Tennessee 37236
Medical Director: F.C. Womack, MD
Educational Coordinator: J.G. Davis, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: David Lipscomb College; Middle Tennessee State Univ., Murfreesboro; Tennessee Technological Univ., Cookeville; Western Kentucky Univ., Bowling Green, Ky.

Meharry Medical College - Tennessee State Univ.
1005 18th Ave. N.
Nashville, Tennessee 37208
Medical Director: L.D. Green, MD
Educational Coordinator: E.C. Grier, MT(ASCP)
Prereq: 3 yrs Coll or Degree **Class Cap.:** 14 **Begins:** Aug **Length:** 12 mos **Tuition:** $1200 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Southern University & A. & M. College, Baton Rouge, La.; Austin Peay State University, Clarksville; Bethune-Cookman College, Daytona Beach, Fla.; Oakwood College, Huntsville, Ala.; Tougaloo College, Tougaloo, Miss.

St. Thomas Hospital
4220 Harding Rd. P.O. Box 380
Nashville, Tennessee 37202
Medical Director: T.C. Delvaux, Jr, MD
Program Director: M.A. Hamner, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 7 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Austin Peay State University, Clarksville; Tennessee Technological University, Cookeville; Middle Tennessee State University, Murfreesboro; University of Tennessee-Nashville; David Lipscomb College; Peabody College; Trevecca Nazarene College

Vanderbilt University School of Medicine
C-3306 Vanderbilt Univ. Med. C
Nashville, Tennessee 37240
Medical Director: W.H. Hartmann, MD
Program Director: P.G. Lankford, PhD, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Jun **Length:** 15 mos **Tuition:** $1500 **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Western Kentucky University, Bowling Green, Ky.; Tennessee Technological University, Cookeville; Middle Tennessee State University, Murfreesboro; Murray State University, Murray, Ky.; Belmont College; David Lipscomb College; Trevecca Nazarene College; Tennessee A. & I. State University; George Peabody College for Teachers; Eastern Kentucky State University, Richmond, Ky.; East Tennessee State University, Johnson City

TEXAS

Hendrick Medical Center
19th & Hickory Sts.
Abilene, Texas 79601
Program Director: J.E. Williams, MD
Medical Director: B.B. Trotter, MD
Educational Coordinator: Z.N. Corley, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jun-Sep **Length:** 13 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Abilene Christian Univ.; Hardin-Simmons University; McMurry College; Howard Payne Univ., Brownwood; Lubbock Christian College, Lubbock; Angelo State University, San Angelo

Northwest Texas Hospital
2200 West 7th-Box 1110
Amarillo, Texas 79106
Program Director: J.V. Denko, MD
Educational Coordinator: F.G. Gill, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Jan-Jul Feb-Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: West Texas State University, Canyon; Sul Ross College, Alpine; Panhandle State College, Goodwell, Okla.; Eastern N. M. Univ., Portales, N.M.; Lubbock Christian College, Lubbock; New Mexico Highlands Univ., Las Vegas, N.M.

Austin State Hospital
4110 Guadalupe St.
Austin, Texas 78751
Medical Director: M.T. O'Brien, MD
Program Director: A.W. Smith, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 7 **Begins:** Jul-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Texas; St. Edward's University; Incarnate Word College, San Antonio; Southwest Texas State College, San Marcos

Brackenridge Hospital
15th & East Ave.
Austin, Texas 78701
Medical Director: J.L. Spidle, MD
Program Director: D. Jungmichel, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: University of Texas; St. Edward's University; Southwest Texas State College, San Marcos

St. Elizabeth Hospital
2830 Calder Ave.
Beaumont, Texas 77706
Medical Director: H.R. Wilcox, Jr., MD
Program Director: C. Horne, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Texas, Austin; Lamar University; McNeese State Univ., Lake Charles, La.

The Baptist Hospital of Southeast Texas, Inc.
College @ llth St./P.O. Box I5
Beaumont, Texas 77704
Medical Director: D.F. Johnson, MD
Educational Coordinator: M.H. Johnston, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Sul Ross State Univ., Alpine; Lamar Univ., Beaumont; McNeese Univ., Lake Charles, La.

Corpus Christi State University
6300 Ocean Drive
Corpus Christi, Texas 78411
Medical Director: J.A. Lewis, MD
Program Director: C. Thompson, MS, MT(ASCP)SBB
Prereq: 3 Yrs Coll **Class Cap.:** 16 **Begins:** Aug **Length:** 12 mos **Tuition:** $150 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Univ. of Texas, Austin; Southwest Texas State Univ, San Marcos; A & I Univ., Kingsville; Sam Houston State Univ., Huntsville; Sul Ross State Univ., Alpine; Pan American Univ., Edinburg

Baylor University Medical Center
3500 Gaston Ave.
Dallas, Texas 75246
Medical Director: G.W. Tillery, MD
Program Director: D.M. Parker, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 25 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Univ. of Southwestern Louisiana, Lafayette, La.; North Texas State Univ., Denton; Mississippi College, Clinton, Miss.; Hardin-Simmons Univ., Abilene; Texas Womens Univ., Denton; Northeast Louisiana Univ., Monroe, La.; Univ. of Oklahoma, Norman, Okla.; Southeastern State College, Durant, Okla.; Sull Ross State Univ., Alpine; Purdue Univ., West Lafayette, Ind.; Oklahoma State Univ., Stillwater, Okla.; Univ. of Texas at Arlington; New Mexico State Univ., Las Cruces, N.M.; North Dakota State Univ., Fargo, N.D.; Abilene Christian College, Abilene; Lamar State College of Technology, Beaumont; Louisiana Tech Univ., Ruston, La.; West Texas State Univ., Canyon; Missouri Southern State College, Joplin, Mo.

St. Paul Hospital
5909 Harry Hines Blvd.
Dallas, Texas 75235
Medical Director: J. Childers, MD
Program Director: D. Temple, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 15 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Texas, Arlington; East Texas State College, Commerce; Texas Woman's University, Denton; North Texas State University, Denton; Stephen F. Austin State University, Nacogdoches

University of Texas Health Science Center at Dallas
5323 Harry Hines Blvd.
Dallas, Texas 75235
Medical Director: V. Stembridge, MD
Program Director: B.M. Castleberry, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 24 **Begins:** Aug **Length:** 12 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Dallas County Hospital District (Parkland Memorial Hospital); Children's Medical Center

Pan American University
Edinburg, Texas 78539
Medical Director: D.W. Flory, MD
Medical Director: D. Useda, MD
Program Director: J. Abraham, MEd., MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Sep **Length:** 2 mos **Tuition:** Variabl **Awards:** B.S. **$Aid:** Scholarship
Affiliates: McAllen General Hospital, Valley Baptist Hospital, State Chest Hospital,

Providence Memorial Hospital
2001 N. Oregon St.
El Paso, Texas 79902
Medical Director: A.L. Vargas, MD
Program Director: L.R. Kime, (ASCP), MD
Educational Coordinator: S. Hall, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Texas; New Mexico State University, Las Cruces, N.M.

University of Texas at El Paso
Administration Building
El Paso, Texas 79968
Medical Director: R. Juel, MD
Educational Coordinator: C. Niedermeyer, MS, MT(ASCP)
Prereq: B.S. **Class Cap.:** 15 **Begins:** Jul **Tuition:** 448 **Awards:** Cert. **Next Survey:** 1983
Affiliates: Sun Towers Hospital; Hotel Dieu Hospital; Radiology and Pathology Consultants Medical Center Laboratory;

William Beaumont Army Medical Center
Alabama & McKelligon Sts.
El Paso, Texas 79920
Medical Director: L.M. Matsumoto, MD
Educational Coordinator: R.L. Phillips, MT(ASCP) SBB
Prereq: 3 Yrs Coll Degree **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1981
Affiliates: University of Texas; New Mexico State University, Las Cruces, N.M.; New Mexico Highland Univ., Las Vegas, N.M.

Academy of Health Sciences
Fort Sam Houston, Texas, 78234
Medical Director: Ltc. D.R. Head, MD
Program Director: Ltc. L.B. Henley, MD
Educational Coordinator: O.L. Dupree Jr., MT(ASCP)
Prereq: 3 yrs Coll Military **Class Cap.:** 12 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Harris Hospital
1300 W. Cannon
Fort Worth, Texas 76104
Medical Director: C.B. Mitchell, MD
Program Director: J. Lynch, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 24 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** $1500 Yr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Texas Christian University; Southwestern Union College, Keene

USAF Regional Hospital Carswell
Carswell AFB
Fort Worth, Texas 76127
Medical Director: J.M. Shelley, Jr., MD
Program Director: P.L. Richardson, MS, MT(ASCP)
Educational Coordinator: M.M. Anderson, MEd., MT(ASCP)S
Prereq: 4 yrs Coll **Class Cap.:** 10 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **Next Survey:** 1978
Affiliates: Texas Christian University

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Medical Director: P.R. Gilmore
Program Director: R.E. Morris, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 25 **Begins:** Jan-Sep Apr **Length:** 12 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1978

Ben Taub Hospital
1502 Taub Loop
Houston, Texas 77030
Program Director: J. Werch, MD
Educational Coordinator: L.B. Penelton, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Feb-Jun Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. B.A. Cert. **Next Survey:** 1978
Affiliates: Texas Southern University; University of Texas, Austin; Prairie View A&M College, Prairie View; University of Okalhoma Norman; Lamar State College, Beaumont; Xavier University, New Orleans

Memorial Hospital System
7600 Beechnut
Houston, Texas 77074
Medical Director: C.N. Conant, MD
Program Director: K. Mathy, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Sam Houston State University, Huntsville

Methodist Hospital
6516 Bertner Ave.
Houston, Texas 77030
Program Director: M.M. Worthington, MD
Educational Coordinator: W.J. Powell, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 18 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: S.F. Austin State Univ., Nacogdoches, U of Texas, Austin; U of Houston; Texas A & M U, Coll Station; Houston Baptist U;

St. Joseph Hospital
1919 LaBranch
Houston, Texas 77002
Medical Director: L. Stuart, MD
Educational Coordinator: J. McNeely, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 15 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: U of Texas, Austin; U of Houston; U of St. Thomas; Sam Houston State University, Huntsville;

St. Luke's Episcopal Hospital
6720 Bertner Ave.
Houston, Texas 77030
Medical Director: C.J. Lind, Jr, MD
Medical Director: J.D. Milam, MD
Educational Coordinator: J.L. Goode, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Univ. of Texas, Austin; Univ. of Houston

U of TX-School of Allied Hlth Sciences at Houston
PO Box 20036
Houston, Texas 77025
Medical Director: D.C. Cannon, MD, PhD
Program Director: D. Ross, MT(ASCP), PhD
Educational Coordinator: L. Callaway, MT(ASCP)
Educational Coordinator: L.Crum, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 19 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** $132 Res $1280 Non-Res **Awards:** B.A. B.S. **Next Survey:** 1979

Veterans Administration Hospital
2002 Holcombe Blvd.
Houston, Texas 77211
Medical Director: F. Gyorkey, MD
Program Director: I.T. Shaw, MS
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Baylor Univ., Waco; Dominican College; McNeese State College, Lake Charles, La.; Northeast Louisiana State, Monroe, La.; Univ. of Houston; Univ. of Texas, Austin; Univ. of Southwestern Louisiana, Lafayette, La.

Methodist Hospital
3615 19th St.
Lubbock, Texas 79408
Medical Director: W.H. Long, MD
Program Director: C.C. Spencer, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Texas Tech Univ.; Lubbock Christian College; Southwestern Univ., Weatherford, Ok.; New Mexico State Univ., Las Cruces, N.M.; Sul Ross State Univ., Alpine

Midland County Hospital District
2200 W. Illinois St.
Midland, Texas 79701
Program Director: M. Madsen, MD
Educational Coordinator: M. Keeple, MT(ASCP), NM BS
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Lubbock Christian College, Lubbock; Angelo State Univ., San Angelo

Shannon West Texas Memorial Hospital
9 S. Magdalen
San Angelo, Texas 76902
Program Director: R.F. Trotter, MD
Educational Coordinator: H.L. Jones, Jr, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Sep-Jan **Length:** 12 mos **Tuition:** None **Awards:** B.A. Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Sul-Ross State College, Alphine; Howard Payne College, Brownwood; Texas Technological University, Lubbock; Angelo State Uni- versity

Baptist Memorial Hospital
111 Dallas St.
San Antonio, Texas 78286
Medical Director: A.O. Severance, MD
Program Director: R. Patino, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** June **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: Howard Payne College, Brownwood; Incarnate Word College; Our Lady of the Lake College; North Texas State Univ., Denton; St. Mary's Univ.; Southwest Texas State Univ., San Marcos; Stephen F. Austin State Univ., Nacogdoches; Sul Ross State Univ., Alpine; Texas A & I Univ., Kingsville; Texas Lutheran College, Seguin; Trinity Univ.; Univ. of Texas, Austin; West Texas State Univ., Canyon

Bexar County Hospital District
4502 Medical Dr.
San Antonio, Texas 78284
Medical Director: F.M. Townsend, MD
Program Director: F.T. Eiserloh, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** June **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: Univ. of Texas, Austin; Incarnate Word College; West Texas State Univ., Canyon

Santa Rosa Medical Center
519 W. Houston St.
San Antonio, Texas 78207
Medical Director: N.H. Jacob, Jr, MD
Program Director: D.M. Madrigal, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Incarnate Word Coll; Texas Lutheran Coll, Seguin; St. Mary's U,; U of Texas at San Antonio;

Southwest Texas Methodist Hospital
7700 Floyd Curl Dr.
San Antonio, Texas 78229
Program Director: D.M. Queen, MD
Educational Coordinator: L. King, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** B.A. Cert **Next Survey:** 1978
Affiliates: Southwest Texas State U., San Marcos; University of Texas, Austin; St. Mary's University; Trinity Univ. Trinity University

Wilford Hall USAF Medical Center
Lackland Air Force Base
San Antonio, Texas 78236
Medical Director: Col. Speicher, MD, USAF, MC
Program Director: Col. Robertson, USAF, BSC
Educational Coordinator: Maj. V.B. Schultz, USAF
Prereq: 4 Yrs Coll Military **Class Cap.:** 10 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Southwest Texas State University
San Marcos, Texas 78666
Program Director: C. Tessmer, MD
Educational Coordinator: L.B. Caruana, MT(ASCP)
Class Cap.: 10 **Begins:** Jul **Length:** 12 mos
Affiliates: VA Center, Temple; Scott and White Memorial Hospital, Santa Fe Memorial Hospital, Kings Daughters Memorial Hospital, Hays Memorial Hospital;

Wadley Hospital
1000 Pine St.
Texarkana, Texas 75501
Medical Director: D.K. Moser, MD
Educational Coordinator: J. Hubbard, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jan-Sep **Length:** 12 mos **Tuition:** None **Awards:** B.A. Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Stephen F. Austin State Univ., Nacogdoches; East Texas State Univ., Commerce; Baptist College, Marshall; Northeast Louisiana Univ., Monroe, La.; Southern State College, Magnolia, Ark.

Texas Eastern University
3900 University Blvd.
Tyler, Texas 75701
Medical Director: W.T. Sparrow, MD
Program Director: J.R. Stewart, PhD
Educational Coordinator: J. Stacy, MT(ASCP)
Prereq: 3 yrs **Class Cap.:** 10 **Begins:** Sep **Length:** 12mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1981
Affiliates: U of Texas Hlth Center of Tyler; Medical Center Hospital; Stewart Blood Center

Hillcrest Baptist Hospital
3000 Herring Ave.
Waco, Texas 76708
Medical Director: R.E. Henderson, MD
Educational Coordinator: W.D. Scott, MA, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Baylor University

Midwestern University
3400 Taft Blvd.
Wichita Falls, Texas 76308
Medical Director: S. Seth, MD
Educational Coordinator: B.J. George, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 10 **Length:** 24 mos **Awards:** B.S. **Next Survey:** 1982
Affiliates: USAF Regional Hosp.; Wichita Falls Clinic Hosp.

Wichita General Hospital
1600 Eighth St.
Wichita Falls, Texas 76301
Medical Director: J.H. Scott, MD
Program Director: J.H. Scott, MD
Educational Coordinator: C. Knezek, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Oct **Length:** 13 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Midwestern State University; North Texas State University, Denton;

UTAH

McKay-Dee Hospital Center
3939 Harrison Blvd.
Ogden, Utah 84409
Program Director: H.A. Totzke, MD
Educational Coordinator: K.G. Yearsley, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Utah State University, Logan; Brigham Young University, Provo; Weber State College

Weber State College
3750 Harrison Blvd.
Ogden, Utah 84408
Program Director: M.L. Kotter, MS, MT(ASCP)
Educational Coordinator: L.G. Nielsen, MS, MT(ASCP)
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $174 Qtr Res$362 Non-Res **Awards:** B.A. B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Cottonwood Hospital, Salt Lake City; McKay-Dee Hospital; St. Benedict's Hospital; Intermountain Lab., Salt Lake City; Ogden Clinic; Hill Air Force Base, Clearfield

Brigham Young University
BYU D-346 ASB
Provo, Utah 84602
Medical Director: L.E. Bolick, MD
Program Director: S. Anderson, MS, MT(ASCP)
Educational Coordinator: J. Brown, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 50 **Begins:** Sep **Length:** 12 mos **Tuition:** $540 Sem **Awards:** B.A. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Cottonwood Hosp, Murray; Holy Cross Hosp, LDS Hosp, St. Mary's Hosp, S.L.City; Parkview Hosp, Id Falls, Utah Val Hosp;

Holy Cross Hospital
1045 East 100 South
Salt Lake City, Utah 84102
Medical Director: B.A. Lloyd, MD
Educational Coordinator: H.C. Smith, MT(ASCP)
Prereq: 3-5 Yrs Coll **Class Cap.:** 8 **Begins:** Jul,Jan **Length:** 6 mos **Tuition:** Univ. **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Brigham Young Univ., Provo; Univ. of Utah

University of Utah
204 Park Bldg.
Salt Lake City, Utah 84112
Medical Director: C.N. Peterson
Program Director: G.F. Croft, MS, MT(ASCP)
Prereq: Univ. Req **Class Cap.:** 50 **Begins:** Sep **Length:** 48 mos **Tuition:** $210 Qtr-Res$415 Non-Res **Awards:** B.S. **Next Survey:** 1978
Affiliates: Holy Cross Hospital; Latter Day Saints Hospital; St. Mark's Hospital; University Hospital

VERMONT

University of Vermont
302 Rowell Building
Burlington, Vermont 05405
Medical Director: J.E. Craighead, MD
Program Director: R.C. LaChapelle, PhD, MT(ASCP)
Prereq: 2 yrs Coll M.L.T. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $600 Res $1615 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Trinity College; Medical Center Hospital of Vermont

VIRGINIA

University of Virginia Medical Center
Charlottesville, Virginia 22908
Medical Director: P.M. Allen, MD
Medical Director: M.R. Wills, MD
Program Director: D.R. Shupe, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 24 **Begins:** Aug **Length:** 12 mos **Tuition:** $50 Sem **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Longwood College, Farmville; Mary Washington College, Fredericksburg; Madison College, Harrisonburg; Mary Baldwin College; Shippensburg State College, Shippensburg, Pa.; Clinch Valley College, Wise

The Memorial Hospital
142 S. Main St.
Danville, Virginia 24541
Medical Director: J.C. Turner, MD
Program Director: D.F. Taylor, PhD
Educational Coordinator: R.M. Flick, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 9 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: Averett College; Clinch Valley College, Wise; Longwood College, Farmville

The Fairfax Hospital
3300 Gallows Rd.
Falls Church, Virginia 22046
Medical Director: C.B. Cook, MD
Educational Coordinator: K.F. Wright, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Jun-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **Next Survey:** 1978
Affiliates: University of North Dakota, Grand Forks, N.D.; Madison College, Harrisonburg; Hood College, Frederick, MD; Mary Washington College, Fredericksburg; Trinity College, Washington, D.C.; George Mason Univ., Fairfax;

Rockingham Memorial Hospital
738 S. Mason St.
Harrisonburg, Virginia 22801
Medical Director: W.H. Holthaus, MD
Educational Coordinator: N.R. Simmers, MT(ASCP)
Prereq: 3-4 Yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: Madison College; Eastern Mennonite College

Lynchburg General-Marshall Lodge Hospital
Tate Springs Rd.
Lynchburg, Virginia 24504
Medical Director: F.D. Hamrick, III, MD
Program Director: B.S. Lefew, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** May **Length:** 12 mos **Tuition:** $800 **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Lynchburg College

Norfolk State College
2401 Corprew Avenue
Norfolk, Virginia 23504
Medical Director: D.O. Cordray, MD
Program Director: D.F. Taylor, ScD
Educational Coordinator: P. Ravenell
Prereq: H.S. **Class Cap.:** 5 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** None **Next Survey:** 1983
Affiliates: Naval Regional Medical Center, Portsmouth; Bayside Hospital, Virginia Beach Norfolk Community Hosp.

Old Dominion University
Hampton Blvd.
Norfolk, Virginia 23508
Program Director: A.J. Ward, PhD
Educational Coordinator: M.M. Sieracki, MA, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Jan-Jun Sep **Length:** 24 mos **Tuition:** $30 Cr Hr **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: V.A. Hospital; Norfolk General Hosp.; DePaul Hosp.; Riverside Hosp., Newport News

Medical College of Virginia/Virginia Commonwealth University
910 West Franklin St.
Richmond, Virginia 23284
Medical Director: G.P. Vennart, MD
Program Director: J.V. Izard, MT(ASCP)SBB, MEd
Prereq: 2 Yrs **Class Cap.:** 34 **Begins:** Sep **Length:** 12 mos **Tuition:** $845 Yr Res $1626 Non-Res **Awards:** B.S. **Next Survey:** 1978

Community Hospital of Roanoke Valley
P.O. Box 12946
Roanoke, Virginia 24029
Medical Director: D. Leavitt, MD
Program Director: R.B. Keyser, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 11 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Roanoke Coll.; Madison Coll., Harrisonburg; Mary Baldwin Coll., Staunton; Oregon Technical Institute, Klamath Falls, Ore.

Roanoke Memorial Hospital
Belleview at Jefferson St.
Roanoke, Virginia 24009
Medical Director: J.C. Gale, MD
Educational Coordinator: P.J. Riner, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Roanoke Coll, Salem; M. Washington Coll, Fredericksburg; Longwood Coll, Farmville; M. Baldwin Coll, Staunton; Clinch Valley College of Univ. of Va., Wise; J. Madison U, Harrisburg; Radford Coll, Radford; Emory & Henry Coll, Emory;

King's Daughters' Hospital
P.O. Box 2007
Staunton, Virginia 24401
Medical Director: K.F. Menk, MD
Educational Coordinator: M.A. Miller, MT(ASCP)
Program Director: B.K. Gordon, MS
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** $500 **Awards:** B.A. B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Mary Baldwin College; Shippenburg State College, Shippenburg, Pa.; James Madison College, Harrisonburg; Stonewall Jackson Hosp., Lexington; Eastern Mennonite College, Harrisonburg; Trinity College, Burlington

WASHINGTON

St. John's Hospital
1614 E. Kessler Blvd.
Longview, Washington 98632
Medical Director: R.C. Nau, MD
Program Director: R.E. Sandstrom, MD
Educational Coordinator: V.M. Avalon, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Eastern Washington University, Cheney; University of Puget Sound, Tacoma; College of Great Falls, Great Falls, Mont.; Washington State University, Pullman

Children's Orthopedic Hospital & Medical Center
4800 Sand Point Way, N.E.
Seattle, Washington 98105
Medical Director: D. Benjamin, MD
Program Director: P.G. Pritchett, MT(ASCP)
Prereq: Degree **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Providence Medical Center
500 17th Ave.
Seattle, Washington 98124
Medical Director: H.S. Schiller, MD
Program Director: E. Moloney, MT(ASCP)
Prereq: B.S. **Class Cap.:** 7 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

The Swedish Hospital Medical Center
747 Summit Ave.
Seattle, Washington 98104
Medical Director: W.B. Hamlin, MD
Program Director: M. Sims, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Washington State University, Pullman

University of Washington Health Sciences Center
Seattle, Washington 98195
Medical Director: P.E. Strandjord, MD
Program Director: C.N. LeCrone, MS, MT(ASCP)
Prereq: 2 Yrs Coll **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** $229 Qtr Res$798 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Puget Sound Blood Center

Deaconess Hospital
W. 800 Fifth Ave.
Spokane, Washington 99210
Medical Director: E. Clizer, MD
Program Director: M. Thompson, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Whitworth College; Seattle Univ., Spokane; Washington State Univ., Pullman; Eastern Washington State College, Cheney; Univ. of Montana, Missoula, Mont.; Univ. of Idaho, Moscow, Ida.

Sacred Heart Medical Center
101 W. Eighth Ave.
Spokane, Washington 99204
Medical Director: J.E. Hill, MD
Educational Coordinator: M.A. Aspinwall, MT(ASCP)
Prereq: 4 Yrs Coll **Class Cap.:** 13 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Gonzaga University; University of Montana, Missoula, Mont.; Washington State University, Pullman

St. Luke's Memorial Hospital
S. 711 Cowley St.
Spokane, Washington 99210
Program Director: R.D. Davis, MD
Educational Coordinator: P. Morton, MT(ASCP)
Prereq: 4 Yrs Coll **Class Cap.:** 4 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Washington State Univ., Pullman; Univ. of Idaho, Moscow; E. Washington Univ., Cheney; Montana State Univ., Bozeman, MT;

St. Joseph Hospital
1812 S. I St.
Tacoma, Washington 98405
Medical Director: R.T. Vimont, MD
Educational Coordinator: M. Anderson, MT(ASCP)
Prereq: 4 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Tacoma General Hospital
315 South K St.
Tacoma, Washington 98405
Medical Director: M.J. Wicks, MD
Program Director: A. Rousseau, MT(ASCP)
Prereq: Degree **Class Cap.:** 10 **Begins:** Jan,Jul **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend & Scholarship
Next Survey: 1978
Affiliates: University of Puget Sound; Seattle University, Seattle; Eastern Washington State College, Cheney; Montana State University, Missoula, Mont.; University of Alaska, College, Alaska

Central Washington University Center for M.T.
1114 W. Spruce - Suite 34
Yakima, Washington 98902
Medical Director: F.E. Geisert, MD
Program Director: R.E. Pacha, PhD
Educational Coordinator: C.R. Steen, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** $591 Yr
Awards: Cert. Degre **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Elizabeth Hosp.; Yakima Valley Memorial Hosp.; Medical Center Lab; Central Wash. Univ., Ellensburg;

WEST VIRGINIA

Beckley Appalachian Regional Hospital
306 Stanaford Rd.
Beckley, West Virginia 25801
Medical Director: W.A. Laqueur, MD
Program Director: F.B. Bosia, MT(ASCP)
Educational Coordinator: V.L. McCormick, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 11 **Begins:** May-Aug **Length:** 12 mos **Tuition:** $500 Yr
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Concord College, Athens; Morehead State University, Morehead, Ky.

Cabell Huntington Hospital
1340 Sixteenth St.
Huntington, West Virginia 25701
Medical Director: S. Werthammer, MD
Program Director: S. Leslie, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Marshall University

West Virginia University
1151 Basic Science Bldg., WVU
Morgantown, West Virginia 26506
Medical Director: C. Boyd, MD
Educational Coordinator: B.F. Love, MT(ASCP), EdD
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Aug **Length:** 21 mos **Tuition:** $203 Sem Res$578 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978

Myers Clinic-Broadus Hospital
Broaddus College Hill
Philippi, West Virginia 26416
Program Director: F. Franyutti, MD
Educational Coordinator: P.H. Phillips, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** Yes **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: Alderson Broaddus College; Davis-Elkins College, Elkins

West Liberty State College
West Liberty, West Virginia 26074
Medical Director: R.O. Bell, MD
Program Director: H.A. Cook, PhD
Class Cap.: 16 **Next Survey:** 1983

WISCONSIN

St. Elizabeth Hospital
1506 S. Oneida St.
Appleton, Wisconsin 54911
Medical Director: J.W. Erchul, MD
Program Director: R.F. Cihak, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 9 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr
Awards: Cert. B.S. **Next Survey:** 1978
Affiliates: St. Norbert Coll, DePere; Edgewood Coll, Madison; U of Wisc-Oshkosh; U of Wisc-Stevens Pt.; U of Wisc-Eau Claire;

Beaver Dam Community Hospital, Inc.
707 S. University Ave.
Beaver Dam, Wisconsin 53916
Program Director: W.G. Richards, MD
Educational Coordinator: S.L. Haase, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** $525 Sem **Awards:** B.S. **Next Survey:** 1979
Affiliates: Wisconsin State University, La Crosse, Oshkosh, Stevens Point

Trinity Memorial Hospital
5900 S. Lake Dr.
Cudahy, Wisconsin 53110
Medical Director: R. Latorraca, MD
Program Director: B. Knuth, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** Univ.
Awards: B.S. **Next Survey:** 1978
Affiliates: University of Wisconsin, Milwaukee

Luther Hospital
310 Chestnut St.
Eau Claire, Wisconsin 54701
Medical Director: R.P. Linden, MD
Educational Coordinator: D.C. Okeson, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** Univ.
Awards: B.S. **Next Survey:** 1978
Affiliates: Wisconsin State University, Eau Claire;

Sacred Heart Hospital
900 W. Clairemont Ave.
Eau Claire, Wisconsin 54701
Program Director: R.J. Fink, MD
Educational Coordinator: D. Johnson, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr
Awards: B.S. **Next Survey:** 1979
Affiliates: Wisconsin State University, Eau Claire

St. Agnes Hospital
430 E. Division St.
Fond Du Lac, Wisconsin 54935
Medical Director: R.E. Carlovsky, MD
Educational Coordinator: P. Baus, MT(ASCP)
Prereq: 3-4 yrs Coll **Class Cap.:** 8 **Begins:** Jun **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. **Next Survey:** 1978
Affiliates: Wisconsin State Univ., Oshkosh; Ripon College, Ripon; Lakeland College, Sheboygan; North Dakota State Univ., Fargo, N. Dak.

St. Vincent Hospital
835 S. Van Buren St.
Green Bay, Wisconsin 54301
Medical Director: D.P. Skarphol, MD
Program Director: R.A. Bloy, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Wisconsin, Eau Claire, Green Bay; St. Norbert College, West De Pere

Kenosha Memorial Hospital
6308 Eighth Ave.
Kenosha, Wisconsin 53140
Program Director: S.H. Holt, MD
Director: J. Schmude, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Wisconsin-Parkside; Carthage College; Trinity College, Deerfield, Ill.

St. Catherine's Hospital
3556 Seventh Ave.
Kenosha, Wisconsin 53140
Medical Director: H. Wagner, MD
Educational Coordinator: A.S. Nitro, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Carthage College; University of Wisconsin-Parkside; Dominican College, Racine

St. Francis Hospital
709 S. Tenth St.
La Crosse, Wisconsin 54601
Medical Director: C.P. Nichols, MD
Program Director: Sr. M.J. Conwell, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. **Next Survey:** 1980
Affiliates: University of Wisconsin; Viterbo College; Winona State College, Winona, Minn.

Madison General Hospital
202 S. Park St.
Madison, Wisconsin 53715
Program Director: S. Shih, MD
Educational Coordinator: A. Tessmer, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 3 **Begins:** Aug **Length:** 12 mos **Tuition:** $18 Cr Hr
Awards: B.S. Cert. **Next Survey:** 1979
Affiliates: University of Wisconsin, Oshkosh, Stevens Point, Platteville, Whitewater, LaCrosse, River Falls; Lakeland College, Sheboygan; St. Mary's College, Winona, Minn.

St. Marys Hospital Medical Center
707 South Mills St.
Madison, Wisconsin 53715
Medical Director: D.M. Connors, MD
Educational Coordinator: T.H. Olson, MS, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $900 Yr
Awards: B.A. B.S. Cert. **$Aid:** Scholarship
Next Survey: 1978
Affiliates: Methodist Hospital

The University of Wisconsin-Madison
220 WARF, 610 North Walnut St.
Madison, Wisconsin 53706
Medical Director: F.C. Larson, MD
Program Director: I.J. Barnes, PhD
Prereq: 3 Yrs Coll **Class Cap.:** 48 **Begins:** Aug **Length:** 12 mos **Tuition:** $408 Sem Res$1473 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978

St. Joseph's Hospital
611 St. Joseph's Avenue
Marshfield, Wisconsin 54449
Program Director: C.N. Reyes, Jr, MD
Educational Coordinator: V.R. Narlock, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jun-Aug **Length:** 12 mos **Tuition:** None
Awards: B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: University of Wisconsin, Eau Claire, LaCrosse, River Falls, Superior, Stevens Point

Columbia Hospital
2025 East Newport Ave.
Milwaukee, Wisconsin 53211
Medical Director: R.R. Koenig, MD
Educational Coordinator: C.L. Kurth, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $418 Sem Res$1485 Non-Resd to UW **Awards:** B.S.
Next Survey: 1979
Affiliates: University of Wisconsin, Milwaukee;

Deaconess Hospital
620 N. 19th St.
Milwaukee, Wisconsin 53233
Medical Director: Y. Taira, MD
Educational Coordinator: L. Boyer, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: Marquette Univ; Milwaukee Blood Center; Dept of Nuclear Medicine

Family Hospital
2711 W. Wells St.
Milwaukee, Wisconsin 53208
Medical Director: R.F. Lipo, MD
Program Director: B.A. Peplinsky, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1980
Affiliates: University of Wisconsin, Milwaukee, Stevens Point, River Falls

Lutheran Hospital of Milwaukee, Inc.
2200 W. Kilbourn Ave.
Milwaukee, Wisconsin 53233
Medical Director: E.A. Birge, MD
Educational Coordinator: K. Dombeck, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $600 Yr Res $1800 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Wisconsin, Milwaukee

Milwaukee Children's Hospital
1700 W. Wisconsin Ave.
Milwaukee, Wisconsin 53233
Medical Director: S.R. Mc Creadie, MD
Program Director: S.J. Arndt, MA MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 12 mos **Tuition:** $418 Sem Res$1485 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of Wisconsin, Milwaukee

Milwaukee County Medical Complex
8700 W. Wisconsin Ave.
Milwaukee, Wisconsin 53226
Program Director: J.V. Straumfjord, MD
Educational Coordinator: E.A. Brunkhorst, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: Marquette University

Mount Sinai Medical Center
950 N. 12th Street-PO Box 342
Milwaukee, Wisconsin 53233
Medical Director: H.F. Weisberg, MD
Educational Coordinator: M. Trudell, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** $419 Sem Res
Awards: Cert. **Next Survey:** 1978
Affiliates: University of Wisconsin, Milwaukee; Carroll College, Waukesha

St. Joseph's Hospital
5000 W. Chambers St.
Milwaukee, Wisconsin 53210
Medical Director: C.H. Altshuler, MD
Educational Coordinator: E. Schmeda, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. B.S. **Next Survey:** 1980
Affiliates: Marquette University; University of Wisconsin, Parkside (Kenosha), La Crosse, River Falls

St. Luke's Hospital
2900 W. Oklahoma Ave.
Milwaukee, Wisconsin 53215
Medical Director: G.E. Battayias, MD
Program Director: M.K. Polczynski, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1979
Affiliates: University of Wisconsin, Milwaukee, Oshkosh; Alverno College

St. Mary's Hospital
2323 N. Lake Dr.
Milwaukee, Wisconsin 53211
Medical Director: D.J. Carlson, MD
Program Director: K.J. Cullen, MT(ASCP)
Prereq: 3-4 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1979
Affiliates: Marquette University; University of Wisconsin, La Crosse

St. Michael Hospital
2400 W. Villard Ave.
Milwaukee, Wisconsin 53209
Medical Director: J.L. Teresi, MD
Educational Coordinator: J. Doellman, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. Degree **Next Survey:** 1978
Affiliates: Marquette University

Theda Clark Memorial Hospital
130 Second St.
Neenah, Wisconsin 54956
Medical Director: H.C. Henshaw, MD
Program Director: T. Pharmakis, M.Sc.
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. Cert. **Next Survey:** 1978
Affiliates: University of Wisconsin, Superior, Oshkosh, Stevens Point, Eau Claire; Lakeland College, Sheboygan

Mercy Medical Center
631 Hazel St.-PO Box 1100
Oshkosh, Wisconsin 54901
Program Director: C.I. Bowerman, MD
Director: J.D. Fitzgerald, C(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 10 **Begins:** Jan-Aug **Length:** 12 mos **Tuition:** $535 Yr
Awards: Cert. **Next Survey:** 1978
Affiliates: St. Norbert's College, West De Pere; University of Wisconsin, Oshkosh; Lakeland College, Sheboygan

St. Luke's Memorial Hospital
1320 Wisconsin Ave.
Racine, Wisconsin 53403
Medical Director: C.E. Oberdorfer, MD
Program Director: M. Putz, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 9 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: Carthage College, Kenosha; Northern Michigan University, Marquette, Mich.; Univ. of Wisconsin, Kenosha

St. Mary's Medical Center, Inc.
3801 Spring St.
Racine, Wisconsin 53405
Medical Director: M. Schuster, MD
Educational Coordinator: C.M. Stofen, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of Wisconsin-Parkside, Kenosha; Carthage College, Kenosha; Lakeland College, Sheboygan

St. Michael's Hospital
900 Illinois Ave.
Stevens Point, Wisconsin 54481
Program Director: A. Milano, MD
Educational Coordinator: R.J. Hoeth, MS, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 Yr
Awards: B.S. **Next Survey:** 1978
Affiliates: Lakeland College, Sheboygan; Wisconsin State University, Stevens Point, Eau Claire

Waukesha Memorial Hospital
725 American Ave.
Waukesha, Wisconsin 53186
Medical Director: R.L. Kascht, MD
Educational Coordinator: B.E. Rankin, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1978
Affiliates: University of Wisconsin, Stevens Point, Whitewater; Carroll College, Waukesha

Wausau Hospitals, Inc.
Maple Hill
Wausau, Wisconsin 54401
Program Director: K.P. Belgea, MD
Educational Coordinator: E.J. Schuett, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

West Allis Memorial Hospital
8901 W. Lincoln Ave.
West Allis, Wisconsin 53227
Medical Director: H.J. Conlon, MD
Educational Coordinator: J.C. Walsh, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** Univ. **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: University of Wisconsin, Eau Claire, Oshkosh, Stevens Point, Whitewater

Veterans Administration Medical Center
5000 W. National Ave.
Wood, Wisconsin 53193
Medical Director: K. Pintar, MD
Educational Coordinator: C.A. Shilevinatz, MT(ASCP)
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Wisconsin, Milwaukee, Oshkosh; Marquette University, Milwaukee

WYOMING

University of Wyoming
President's Office
Laramie, Wyoming 82071
Medical Director: T.V. Toft, MD
Medical Director: G.A. Brondos, MD
Educational Coordinator: M.H. Corbiridge, MS, MT(ASCP)
Educational Coordinator: M.L. Helmrich, MT(ASCP)
Educational Coordinator: Y. Cardon, MT(ASCP)
Prereq: 3 yrs Coll **Class Cap.:** 16 **Begins:** Sep **Length:** 12 mos **Tuition:** $217 em Res $860 on-Res **Awards:** B.S. **Next Survey:** 1978
Affiliates: Memorial Hospital of Natrona County, Casper; Medical Laboratory, Casper; Clinical Laboratories, Cheyenne;

Nuclear Medicine Technologist

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Medical Director: W.N. Tauxe, MD
Program Director: R.J. Beschi, BS
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $252 Qtr Res$504 Qtr Non Res **Awards:** Degre Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Veterans' Administration Medical Center; Cooper Green Hospital;

ARIZONA

University of Arizona
Tucson, Arizona 85724
Medical Director: W. Scott, MD
Program Director: D.W. Capps
Educational Coordinator: D. Patton, MD
Tuition: None **Next Survey:** 1983
Affiliates: Tucson Veteran's Administration Hospital

ARKANSAS

St. Vincent Infirmary
Markham & University Ave.
Little Rock, Arkansas 72201
Medical Director: W.T. Harris, MD
Program Director: Sr. B.A. Ruebusch, MS, RT
Prereq: R.T. M.T. R.N. B.S. **Class Cap.:** 3 **Begins:** Jun-Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

CALIFORNIA

Loma Linda University
Loma Linda, California 92350
Medical Director: G. Kirk, MD
Program Director: A.W. Kroetz
Prereq: 1 Yr Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 30 mos **Tuition:** $4420 **Awards:** A.S. B.S. **$Aid:** Stipend **Prereq:** RT,RN MT,BS **Class Cap.:** 6 **Length:** 12 mos **Awards:** Cert. **Next Survey:** 1979
Affiliates: Loma Linda University Medical Center; White Memorial Medical Center, Los Angeles

Los Angeles City College
855 N. Vermont Ave.
Los Angeles, California 90029
Medical Director: J. Gambino, MD
Program Director: J.W. Smith, RNT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 22 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: VA Hosp-Wadsworth; Val Presb Hosp, Van Nuys; VA Med Ctr, L.Beach; St. Joseph's Med Ctr, Burbank; Hosp of the Good Samaritan; Cedars-Sinai Med Ctr; Harbor Gen Hosp, Torrance; Holy Cross Hosp, San Fernando;

Los Angeles County-USC Medical Center
1200 N. State St.
Los Angeles, California 90033
Program Director: M.W. Siegel, MD
Educational Coordinator: B.D. McCown, RT(ARRT NM)
Prereq: R.T. M.T. R.N. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

M.L. King Jr./C.R. Drew Postgrad Med. Sch.
12021 South Wilmington Avenue
Los Angeles, California 90059
Program Director: F.S. Mishkin, MD
Educational Coordinator: W.T. May, RT
Prereq: RT,BS BA,MT RN M.T R.N. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Veterans Administration-Wadsworth Hospital Center
Wilshire & Sawtelle Blvds.
Los Angeles, California 90073
Program Director: W.H. Blahd, MD
Educational Coordinator: J.J. Gambino, PhD
Prereq: 2 yrs Coll MT, RT RN **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Los Angeles City College

St. Francis Medical Center
3630 Imperial Hwy.
Lynwood, California 90262
Program Director: A. Zimmerman, MD
Educational Coordinator: M. Bryant, RT(ARRT)
Prereq: R.T. **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Memorial Hospital Assoc. of Stanislaus Cty.
1700 Coffee Rd.
Modesto, California 95355
Program Director: W.R. Metge, MD
Educational Coordinator: P. Van Der Hoek
Prereq: B.S. **Class Cap.:** 3 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Emmanual Medical Center; Gould Medical Group

St. Joseph Hospital
1100 Stewart Dr.
Orange, California 92668
Medical Director: D.B. Hertsgaard, MD
Program Director: D. Gueorev, MS
Prereq: R.T. R.N. B.A. B.S. M.T. **Class Cap.:** 2 **Begins:** Nov **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Palmdale General Hospital
1212 East Ave., S.
Palmdale, California 93550
Program Director: R.H. Sisson, MD
Educational Coordinator: F.L. Potes, RT(ARRT)
Prereq: R.T. M.T. R.N. B.S. **Class Cap.:** 2 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Sutter Community Hospitals
2820 L St.
Sacramento, California 95816
Program Director: D.W. Brown, MD
Educational Coordinator: T.L. Brannon, MS
Prereq: MT,RN BS,RT 2 Yrs Coll **Class Cap.:** 4 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

University of Calif. Davis Medical Center
2315 Stockton Blvd.
Sacramento, California 95817
Program Director: G.L. De Nardo, MD
Educational Coordinator: J.C. Cronin, RT(ARRT)
Prereq: 2 yrs Coll RT,RN MT **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Pacific Medical Center-Presbyterian Hospital
2333 Buchanan St.
San Francisco, California 94109
Program Director: J.M. Lowwstein, MD
Educational Coordinator: T.A. Jackson, Jr, RT(ARRT)
Prereq: RT,MT RN,BS **Class Cap.:** 1 **Begins:** Jan **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Nuclear Medicine Institute, Cleveland Ohio;

University of California Medical Center
23rd & Parnassus Ave.
San Francisco, California 94143
Medical Director: D. Lilien, MD
Educational Coordinator: D. Ashby
Prereq: BS,BA **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** None **Next Survey:** 1983
Affiliates: R.K. Davies Medical Center; Letterman Army Medical Center;

Cancer Foundation of Santa Barbara
P.O. Box 837 - 300 W. Pueblo S
Santa Barbara, California 93102
Medical Director: D.W. Erickson, MD
Program Director: G.R. Snyder, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 Yr **Awards:** Cert. **Prereq:** RT,BS R.N. **Begins:** Sep **Length:** 12 mos **Tuition:** $400 Yr **Awards:** Cert. **Next Survey:** 1982

COLORADO

Penrose Hospital
2215 N. Cascade Ave.
Colorado Springs, Colorado 80907
Medical Director: V.A. Thomas, MD
Program Director: S.L. Pasternak, RT(ARRT)
Educational Coordinator: W. Donald, RT(ARRT)
Prereq: RT,MT RN,BS **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Community College of Denver - Auraira Campus
1111 W. Colfax Ave.
Denver, Colorado 80204
Medical Director: W. Wenzel, MD
Program Director: D.A. Perkins, NM(ASCP)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $169 Sem Res$742 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Prereq:** M.T. R.T. R.N. B.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 15 mos **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Fitzsimons Army Med. Ctr.; U of C Med. Ctr; St. Joseph's Hosp.; St. Luke's Hosp.; Presbyterian Med. Ctr. VA Hospital; Denver General Hosp.; Mercy Hospital; Porter Memorial Hospital; Swedish Hospital; Valley View Med. Ctr.

St. Anthony Hospital Systems
4231 W. 16th Ave.
Denver, Colorado 80204
Program Director: N. Goodman, MD
Educational Coordinator: J.L. Barr, RT(ARRT)
Prereq: RT,RN MT,BS **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

CONNECTICUT

St. Vincent's Medical Center
2800 Main St.
Bridgeport, Connecticut 06606
Program Director: N.R. Vincent, MD
Educational Coordinator: M. Campbell, RT(ARRT)
Prereq: M.T. R.T. R.N. B.S. **Class Cap.:** 3 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982

Yale-New Haven Hospital
789 Howard Ave.
New Haven, Connecticut 06504
Medical Director: A. Gottschalk, MD
Program Director: R. Lange, Ph.D.
Educational Coordinator: H.Gautot, RT(ARRT)
Prereq: H.S. Exam **Class Cap.:** 8 **Begins:** Sep **Length:** 24 mos **Tuition:** $175 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Yale New Haven Hospital; Hospital of St. Raphael;

DELAWARE

Delaware Technical Community College
400 Stanton-Christiana Road
Newark, Delaware 19702
Medical Director: V.V. Sagar, MD
Educational Coordinator: J.M. Piccone, MD
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Awards:** A.S. **Next Survey:** 1983
Affiliates: Veterans Administration Center; Wilmington Medical Center

FLORIDA

Santa Fe Community College
3000 N.W. 83rd St.
Gainesville, Florida 32601
Program Director: R.A. Short, RT(ARRT)
Medical Director: C.M. Williams, MD
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $14 Cr Hr Res $29 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Veterans Administration Hospital; U. of Florida Hospital; Northern Florida Regional Hospital; Alachua General Hospital

University of Miami School of Medicine
1611 N.W. 12th Ave.
Miami, Florida 33136
Medical Director: A. Serafini, MD
Program Director: A.H. Koorji, BS, RT
Educational Coordinator: R. Thomas
Prereq: RT,MT BS,RN **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Mt. Sinai Medical Center
4300 Alton Rd.
Miami Beach, Florida 33140
Program Director: A.J. Gilson, MD
Educational Coordinator: D.C. Fuller, MS, NMT
Prereq: RT,BS RN,BA **Class Cap.:** 12 **Begins:** Jan **Length:** 12mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Hillsborough Community College
P.O. Box 22127
Tampa, Florida 33622
Program Director: E. Eikman, MD
Educational Coordinator: H.D. Barnett
Prereq: H.S. **Class Cap.:** 23 **Begins:** Sep **Length:** 20 mos **Tuition:** $110 Qtr Res$260 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Tampa General Hospital; St. Joseph's Hospital; University Community Hospital

GEORGIA

Grady Memorial Hospital
80 Butler St., S.E.
Atlanta, Georgia 30303
Medical Director: Y. Tarcan, MD
Program Director: N. Fajman, MS,RT(ARRT)
Prereq: RT,BS MT,BA RN,AS B.A. R.N. **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Emory University School of Medicine; Crawford W. Long Hospital

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Program Director: M. Brown, MD
Educational Coordinator: W. Hibbard, MT(ASCP)NM
Prereq: R.T. **Class Cap.:** 18 **Begins:** Sep **Length:** 12 mos **Tuition:** $564 Yr **Awards:** B.S. **Prereq:** R.N. **Length:** 24 mos **Awards:** Cert. **Next Survey:** 1980
Affiliates: Veterans Administration Hospital-Forest Hills Division; University Hospital; St. Joseph's Hospital

ILLINOIS

Illinois Masonic Medical Center
836 W. Wellington Ave.
Chicago, Illinois 60657
Medical Director: H.H. Byun, MD
Educational Coordinator: K.J. Stee, RT(ARRT), BA
Prereq: BA RT MT **Class Cap.:** 3 **Begins:** Sep **Length:** 12 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Northwestern Memorial Hospital
250 E. Superior St.
Chicago, Illinois 60611
Program Director: J.L. Quinn, III, MD
Educational Coordinator: D.L. Gryniewicz, RT(ARRT)
Prereq: MT,BA RT,BS **Class Cap.:** 12 **Begins:** May-Sep **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Children's Memorial Hospital; Columbus Hospital

St. Mary of Nazareth Hospital Center
2233 West Division
Chicago, Illinois 60622
Program Director: D.C. Wharton, MD
Educational Coordinator: D.M. King, RT(ARRT)
Prereq: R.T. M.T. B.A. R.N. B.S. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1979

Edward Hines, Jr., Veterans Administration Hosp.
Fifth Ave. & Roosevelt Rd.
Hines, Illinois 60141
Medical Director: E. Kaplan, MD
Program Director: G. Gregans
Educational Coordinator: J. Greco
Prereq: 3 Yrs Coll **Class Cap.:** 6 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Mount Sinai Hospital, Chicago; Children's Memorial Hospital; St. Mary's Hospital, Winona, Minn.; U/ of Wisconsin, LaCrosse; Roosevelt University; St. Francis College, Joliet

Lutheran General Hospital
1775 Dempster St.
Park Ridge, Illinois 60068
Program Director: P. Shirazi, MD
Prereq: RT,RN MT,BS MA **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Presbyterian St. Luke Hospital

St. Francis Hospital-Medical Center
530 N.E. Glen Oak
Peoria, Illinois 61637
Medical Director: B.C. Berg, MD
Program Director: T.W. Fenger, RT(ARRT)
Prereq: R.T. R.N. M.T. B.S. **Class Cap.:** 6 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Triton College
2000 N. Fifth Ave.
River Grove, Illinois 60171
Medical Director: S.M. Pinsky, MD
Educational Coordinator: C. Burchett, MT(ASCP)ARRT N.T.
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $13 Sem Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: MacNeal Mem Hosp, Berwyn; Michael Reese Med Ctr, St. Anne's Hosp, U of I Hospitals, Chgo; W Surburban Hosp, Oak Park; Presbyterian-St. Luke's Hosp; Children's Mem Hosp; Resurrection Hosp; Loyola F.G. McGaw, Brookfield; Alexian Brothers, Elk Grove;

INDIANA

Our Lady of Mercy Hospital
U.S. 30 Highway
Dyer Indiana 46311
Medical Director: M.L. Hirsch, MD
Program Director: J. Daniels, MT(ASCP)NM
Prereq: M.T. R.T. R.N. B.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Community Hospital of Indianapolis, Inc.
1500 N. Ritter Ave.
Indianapolis, Indiana 46219
Program Director: G.J. Kurlander, MD
Educational Coordinator: A.D. Browne, PhD
Prereq: R.T. R.N. M.T. **Class Cap.:** 2 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Medical Director: H.N. Wellman, MD
Program Director: C.R. Appledorn, MS
Educational Coordinator: S. Kehrein, MS, RT(ARRT)
Educational Coordinator: J.E. Burr, NMT
Prereq: 3 Yrs Coll **Class Cap.:** 15 **Begins:** Sep **Length:** 2 mos **Tuition:** $24 Hr $55 Non Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Indiana University Medical Center; Wishard Memorial Hospital; Veterans Administration Hospital

Methodist Hospital of Indiana, Inc.
1604 N. Capitol Ave.
Indianapolis, Indiana 46202
Program Director: L. Heck, MD
Educational Coordinator: S.D. Ervin, MS, NMT
Prereq: RT,BS **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Methodist Hospital of Indiana Inc

IOWA

University of Iowa Hospitals and Clinics
Iowa City, Iowa 52242
Medical Director: R.T. Go, MD
Educational Coordinator: G.A. Isserstedt, MS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Aug **Length:** 48 mos **Tuition:** $110 Yr **Awards:** B.S. **Next Survey:** 1980

KANSAS

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Medical Director: R.G. Robinson, MD
Program Director: S.J. Davis, RTNM(ARRT)
Prereq: RT,BS RN,MT **Class Cap.:** 4 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

St. Francis Hospital
929 N. St. Francis Ave.-PO Box
Wichita, Kansas 67201
Program Director: D.F. Housholder, MD
Program Director: D. DeJong, MD
Educational Coordinator: L.R. Ackerman, RT(ARRT)NMT
Prereq: RT,RN M.T. R.N. **Begins:** Jul **Length:** 12 mos **Tuition:** $150 Yr **Awards:** Cert **Next Survey:** 1981

Wesley Medical Center
550 N. Hillside Ave.
Wichita, Kansas 67214
Medical Director: D.L. Palmer, MD
Educational Coordinator: P. Shaw, BA, RT(ARRT)(ASCP)
Prereq: MT,RN RT,BS **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Kearney State College, Kearney, NB; Marymount College of Kansas, Salina; Sterling College, Sterling;

KENTUCKY

Louisville Baptist Hospital
810 Barret Avenue
Louisville, Kentucky 40204
Medical Director: J.D. Hummel, MD
Educational Coordinator: E.W. Blanton, RT(ARRT)
Prereq: MT,RN RT **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** None **Next Survey:** 1983
Affiliates: St. Anthony Hospital; Veteran's Administration Hospital;

University of Louisville
P.O. Box 35260
Louisville, Kentucky 40232
Medical Director: Y.C. Kim, MD
Program Director: F.L. Howard, NMT
Prereq: R.N. M.T. R.T. B.S. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $855 Res $3000 Non Res **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Veterans Administration Hospital

LOUISIANA

Alton Ochsner Medical Foundation
1516 Jefferson Hwy.
New Orleans, Louisiana 70121
Program Director: S.E. Shuler, MD
Educational Coordinator: E. Merritt, NMT(ASCP)
Prereq: B.S. R.N. M.T. R.T. + 2 Yrs Coll **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Charity Hospital of Louisiana at New Orleans
1532 Tulane Ave.
New Orleans, Louisiana 70140
Medical Director: E.K. Lang, MD
Program Director: G.R. Meckstroth, PhD
Educational Coordinator: D. Crutchfield, RT(ARRT)
Prereq: M.T. R.T. R.N. **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Veterans Administration Hospital
510 East Stoner Avenue
Shreveport, Louisiana 71130
Program Director: W. Lawrence, MD
Educational Coordinator: S.H. Ledbetter
Prereq: R.T. M.T. R.N. B.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Highland Hospital; Schumpert Medical Center; Willis-Knighton Memorial Hospital

MARYLAND

Essex Community College
7201 Rossville Blvd.
Baltimore, Maryland 21237
Medical Director: H.N. Wagner, Jr, MD
Program Director: J.K. Langan, RT(ARRT)
Prereq: RT,BS M.T. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $1053 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1981

Naval Health Sciences Education & Training Command
Bethesda, Maryland 20014
Program Director: Capt. R.F. Kiepfer, MC, USN
Educational Coordinator: HMC G.L. Colouris, USN
Prereq: Military **Class Cap.:** 25 **Begins:** Jan-May Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: Naval Hospital, Oakland, Calif.; Naval Regional Med. Ctr. & Hosp., Portsmouth, Va.; Naval Hospital, San Diego, Calif. Hosp., San Diego, Calif.

MASSACHUSETTS

Bunker Hill Community College
Rutherford Ave.
Charleston, Massachusetts 02129
Medical Director: B.A. Burrows, MD
Program Director: S.A. Tucker, BS, RT(ARRT)(ASCP
Prereq: H.S. **Class Cap.:** 17 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 **Awards:** A.S. **Next Survey:** 1981
Affiliates: Beth Israel Hosp., Boston; Cambridge Hosp., Cambridge; Cardinal Cushing General Hosp., Brockton; New England Deaconess Hosp., Boston; Framingham Union Hosp., Framingham; Massachusetts General Hosp., Boston; Mount Auburn Hosp., Cambridge; St. Elizabeth Hosp., Brighton; Veterans Administration Hosp., Boston

Newton-Wellesley Hospital
2014 Washington St.
Newton Lower Falls, Massachusetts 02162
Medical Director: H. Simon, MD
Educational Coordinator: E.D. Witherell
Prereq: RT,MT RN **Class Cap.:** 2 **Begins:** Nov **Length:** 12 mos **Tuition:** one **Awards:** Cert. **Next Survey:** 1983

Springfield Technical Community College
1 Armory Square
Springfield, Massachusetts 01105
Medical Director: R.A. Grugan, MD
Program Director: R. Hanc, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $300 Yr **Awards:** Cert. **Next Survey:** 1981
Affiliates: Baystate Medical Center; Mercy Hospital

MICHIGAN

University of Michigan Medical Center
1405 E. Ann St., Box 45
Ann Arbor, Michigan 48109
Medical Director: W.H. Beierwaltes, MD
Program Director: J.E. Carey, MS
Prereq: R.T. M.T. R.N. B.S. **Class Cap.:** 10 **Begins:** Oct **Length:** 13 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1981
Affiliates: St. Joseph Mercy Hospital; Veterans Administration Hospital

Ferris State College
Big Rapids, Michigan 49307
Program Director: G. Hensley
Educational Coordinator: R.F. Dudek, RT(ARRT)
Prereq: R.T. R.N. M.T. B.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 13 mos **Tuition:** $232 Qtr Res$560 Non-Res **Awards:** Cert. **Prereq:** H.S. **Class Cap.:** 48 **Length:** 1 mos **Awards:** A.A.S. **Next Survey:** 1983
Affiliates: Bay Medical Center, Bay City, Blodgett Memorial Medical Center, Grand Rapids; Butterworth Hospital, Grand Rapids; Garden City Osteopathic Hospital, Garden City; Alfred E. Neuffer Clinic, Flint; Saginaw Osteopathic Hospital, Saginaw; St. Luke's Hospital, Saginaw; Sinai Hospital of Detroit, Detroit; Southwest Detroit Hospital, Detroit; Veterans Administration Hospital, Allen Park; Wyandotte General Hospital, Wyandotte Midland Hospital, Midland;

Detroit General Hospital
1326 St. Antonie
Detroit, Michigan 48226
Program Director: F.C. Stebner, MD
Educational Coordinator: J. Williams, NMT
Prereq: B.S. M.T. R.T. R.N. A.A. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $150 Yr **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Wayne County General Hospital, Eloise; Southwest Detroit General Hospital; Sinai Hospital of Detroit; Wyandotte General Hospital, Wyandotte

Detroit-Macomb Hospitals Association
7815 E. Jefferson Ave.
Detroit, Michigan 48214
Medical Director: R.S. Kurtzman, MD
Program Director: D.L. Otto, MD
Educational Coordinator: C.J. Damico, RT
Educational Coordinator: E.J. Evans, RT(NM)
Prereq: MT,RN R.T. **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** $250 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Henry Ford Hospital
2799 W. Grand Blvd.
Detroit, Michigan 48202
Program Director: W.R. Eyler, MD
Educational Coordinator: J. Saylor
Prereq: RT,BS M.T. **Class Cap.:** 6 **Begins:** Jul **Length:** 14 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

William Beaumont Hospital
3601 West Thirteen Mile Rd.
Royal Oak, Michigan 48072
Program Director: H. Dworkin, MD
Educational Coordinator: J. Hill, RT(ARRT)
Educational Coordinator: R. McCulloch, CNMT
Prereq: RN R.T. 2 Yrs Coll **Class Cap.:** 8 **Begins:** Aug **Length:** 15 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

MINNESOTA

Hennepin County Medical Center
701 Park Avenue
Minneapolis, Minnesota 55415
Program Director: R.L. Strom, MD
Educational Coordinator: M.S. Shaw, RT, NMT(ASCP) BS
Prereq: 3 yrs Coll R.T. M.T. R.N. **Class Cap.:** 6 **Begins:** Aug **Length:** 12 mos **Tuition:** $25 Yr **Awards:** Cert. **Next Survey:** 1979
Affiliates: University of Wisconsin-LaCrosse, LaCrosse, WI; St. Cloud State University, St. Cloud, MN

Veterans Administration Hospital
48th & 54th Ave So.
Minneapolis, Minnesota 55417
Program Director: R.B. Shafer, MD
Educational Coordinator: J.M. Marlette, RT,NMT
Prereq: RT,MT RN,BS **Class Cap.:** 4 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: U. of Minnesota Hospitals; United Hospitals, St. Paul

Mayo Foundation
200 First St., S.W.
Rochester, Minnesota 55901
Program Director: J.S. Robertson, MD
Educational Coordinator: M.D. Sinclair
Prereq: 3 Yrs Coll **Class Cap.:** 5 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1982
Affiliates: University of Wisconsin/La Crosse

St. Mary's College
Terrance Heights
Winona, Minnesota 55989
Medical Director: R.M. Garces, MD
Program Director: D.J. Alsum, PhD
Educational Coordinator: A. Bednarz, RT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug **Length:** 48 mos **Tuition:** $85 Cr **Awards:** B.A. **Next Survey:** 1983
Affiliates: Evanston Hospital, Evanston, Ill.

MISSISSIPPI

University of Mississippi Medical Center
2500 N. State St.
Jackson, Mississippi 39216
Program Director: W.M. Flowers, MD
Educational Coordinator: J. McDonald, RT,NM
Prereq: R.T. M.T. R.N. B.S. B.A. **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

MISSOURI

St. Francis Medical Center
211 St. Francis Drive
Cape Girardeau, Missouri 63701
Program Director: M. Shoss, MD
Educational Coordinator: M. Ahuja
Prereq: R.T. R.N. M.T. **Class Cap.:** 2 **Begins:** Jun/Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Southeast Missouri Hospital

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Program Director: R.A. Holmes, MD
Educational Coordinator: W.A. Volkert, PhD
Educational Coordinator: M. Mello, RT(ARRT),NM
Prereq: R.T. M.T. R.N. B.S. 3 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** $750 Yr **Awards:** B.S. Cert. M.S. **Next Survey:** 1982
Affiliates: Harry S. Truman Memorial VA Hospital

Research Hospital & Medical Center
2316 East Meyer Blvd.
Kansas City, Missouri 64132
Program Director: W.E. White, MD
Educational Coordinator: C. Ament, NMT
Prereq: M.T. R.T. R.N. B.S. B.A. **Class Cap.:** 6 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Luke's Hospital of Kansas City
Wornall Road at 44th
Kansas City, Missouri 64111
Program Director: D.R. Germann, MD
Educational Coordinator: S.L. Christie, RT(ARRT)
Prereq: R.T. M.T. R.N. B.S. **Class Cap.:** 3 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Mallinckrodt Institute of Radiology-Washington University
510 S. Kingshoghway Blvd.
St. Louis, Missouri 63110
Program Director: B.A. Siegel, MD
Educational Coordinator: D.R. Bernier, RT,RTNM
Prereq: M.T. R.T. R.N. H.S. + 2 Yrs Col **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: St. John Mercy Medical Center

St. John's Mercy Medical Center
615 S. New Ballas Rd.
St. Louis, Missouri 63141
Medical Director: D.R. Lilly, MD
Program Director: J. Block, B.A., RTNM (ASCP)
Prereq: R.T. M.T. R.N. B.A. B.S. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Washington University School of Medicine-Div of Nuclear Medicine;

Veterans Administration Hospital
St. Louis, Missouri 63125
Medical Director: R.M. Donati, MD
Program Director: S.D. Rosenfeld, MA
Prereq: 3 yrs Coll R.T. M.T. R.N. **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: St. Louis U. Hosps.; Missouri Baptist Hospital; Deaconess Hospital; Jewish Hospital; Rochester Institute of Technology, Rochester, NY; St. Joseph Hospital, Kirkwood; University of Wisconsin, LaCrosse, Wisc.

NEBRASKA

University of Nebraska College of Medicine
42nd & Dewey Ave.
Omaha, Nebraska 68105
Program Director: M.A. Quaife, MD
Educational Coordinator: M.V. Nagel, NMT
Prereq: H.S. **Class Cap.:** 9 **Begins:** Jul **Length:** 24 mos **Tuition:** $23 Sem Hr **Awards:** A.S. **$Aid:** Scholarship **Length:** 48 mos **Awards:** B.S. **Next Survey:** 1979
Affiliates: Archbishop Bergen Mercy Hospital; Bishop Clarkson Hospital; Immanuel Medical Center

NEW JERSEY

Atlantic City Medical Center
1925 Pacific Ave.
Atlantic City, New Jersey 08401
Program Director: C.S. Walkoff, MD
Educational Coordinator: J.J. Kozar, RT(ARRT-ASCP)
Prereq: R.N. R.T. M.T. **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: John F. Kennedy Medical Center, Edison

Cooper Medical Center
Sixth & Stevens Sts.
Camden, New Jersey 08103
Program Director: L.S. Zeiger, MD
Educational Coordinator: C. Doran, RT(ARRT)
Prereq: R.T. B.S. R.N. **Class Cap.:** 4 **Begins:** Oct-Jan Apr-Jul **Length:** 12 mos **Tuition:** $2400 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: J. F. Kennedy Medical Center, Edison

John F. Kennedy Medical Center
James St.
Edison, New Jersey 08817
Program Director: F.D. Wald, MD
Educational Coordinator: R. Pollack, RT(ARRT)
Prereq: RT,MT BS,AS R.N. **Class Cap.:** 5 **Begins:** Oct-Jan Apr-Jul **Length:** 12 mos **Tuition:** $2000 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Veterans Administration Hospital, East Orange; Hospital Center at Orange, Orange; Cooper Medical Center, Camden; Mercer Medical Center, Trenton; Monmouth Medical Center, Long Branch; Washington Memorial Hospital, Turnersville; Temple University Hospital, Philadelphia, PA; Brooklyn Hospital, Brooklyn, NY; Nassau County Medical Center, East Meadow, NY; Atlantic City Medical Center, Atlantic, NJ; Peninsula Hospital Center, Far Rockaway, NY

St. Barnabas Medical Center
Old Short Hills Rd.
Livingston, New Jersey 07039
Program Director: P.J. Conte, MD
Educational Coordinator: V. Custer, NMT(ARRT)
Prereq: R.T. R.N. M.T. B.S. **Class Cap.:** 5 **Begins:** Jan-Jul Sep **Length:** 12 mos **Tuition:** $450 **Awards:** Cert **Next Survey:** 1981

Monmouth Medical Center
Second Avenue
Long Branch, New Jersey 07740
Program Director: J. Felman, MD
Prereq: RT,RN **Class Cap.:** 2 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: John F. Kennedy Medical Center, Edison

Middlesex General Hospital
180 Somerset St.
New Brunswick, New Jersey 08903
Medical Director: T.J. Stah, MD
Prereq: H.S. **Class Cap.:** 3 **Length:** 12 mos **Awards:** B.S. **Next Survey:** 1983

Hospital Center at Orange
188 S. Essex Ave.
Orange, New Jersey 07051
Program Director: W.N. Miller, MD
Educational Coordinator: M.K. Miller, RT(ARRT) BS
Prereq: R.T. B.S. R.N. **Class Cap.:** 4 **Begins:** Oct-Feb Jun **Length:** 12 mos **Tuition:** $2400 To JFK **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: John F. Kennedy Medical Center, Edison

St. Joseph's Hospital and Medical Center
703 Main St.
Paterson, New Jersey 07503
Medical Director: F.R. Schell, MD
Program Director: I. Sinclair, PhD
Educational Coordinator: E. Montague, RT(ARRT)
Prereq: M.T. R.T. R.N. **Class Cap.:** 16 **Begins:** Sep **Length:** 12 mos **Tuition:** $1350 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Beth Israel Hospital; Clara Maass Memorial Hospital; Hackensack Hospital; Greater Paterson General Hospital; Roosevelt Hospital; Albert Einstein College of Medicine

Overlook Hospital
193 Morris Ave.
Summit, New Jersey 07901
Medical Advisor: J. Korsten, MD, DABR, MACR, DA
Program Director: C.M. Stimac, RT(ARRT)
Prereq: RT,BS MT **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $800 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

Mercer Medical Center
446 Bellevue Ave. Box 1658
Trenton, New Jersey 08607
Program Director: G.L. Villa, MD
Educational Coordinator: S.S. Hadad, RT(ARRT)
Prereq: R.T. B.S. R.N. M.T. **Class Cap.:** 2 **Begins:** Oct-Jun Feb **Length:** 12 mos **Tuition:** $2400 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: John F. Kennedy Medical Center, Edison

Washington Memorial Hospital
Hurffville-Crosskeys Rd
Turnersville, New Jersey 08012
Program Director: J.J. Mallon, Jr., DO
Prereq: RT,BS RN,AS **Class Cap.:** 6 **Begins:** Feb,Sep **Length:** 15 mos **Tuition:** $1800 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

NEW MEXICO

University of New Mexico School of Medicine
Albuquerque, New Mexico 87131
Director: F. Mettler M.D.
Educational Coordinator: D. Barrett, RT(NM)
Prereq: M.T. R.T. R.N. B.S. **Class Cap.:** 6 **Begins:** Jun **Length:** 12 mos **Tuition:** $720 Res $2145 Non-Res **Awards:** Cert. **Next Survey:** 1980
Affiliates: Lovelace Clinic-Bataan Hospital; Bernalillo County Med. Ctr.

NEW YORK

The Brooklyn Hospital
121 DeKalb Ave.
Brooklyn, New York 11201
Program Director: W.M. Sy, MD
Prereq: RT,RN,MT BS **Class Cap.:** 5 **Begins:** July **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: John F. Kennedy Medical Center, Edison, New Jersey; John F. Kennedy Medical Center, Edison New Jersey

Peninsula Hospital Center
51-15 Beach Channel Dr.
Far Rockaway, New York 11691
Medical Director: G. Weinstein, MD
Program Director: V. Simball, RT(NM)
Prereq: RT,RN,MT BS,AS **Class Cap.:** 4 **Begins:** Oct/Jan Apr/Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1982
Affiliates: John F. Kennedy Medical Center, Edison

Harlem Hospital Center
136th Street & Lenox Ave.
New York, New York 10037
Program Director: T.R. Stent, MD
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Hostos Community College

New York University Medical Center
550 First Ave.
New York, New York 10016
Program Director: P. Braunstein, MD
Prereq: B.A. R.T. R.N. **Class Cap.:** 12 **Begins:** Feb **Length:** 12 mos **Tuition:** $3500 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Northport Veterans Administration Hospital
Middleville Rd.
Northport, New York 11768
Program Director: W. Shreeve,MD
Educational Coordinator: G.M. Monk, RT(ARRT)NM
Prereq: 3 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: C.W. Post College, Greenvale;

Manhattan College
Manhattan College Pkwy.
Riverdale New York 10471
Medical Director: D.B. Hayt, MD
Program Director: C.L. O'Connor, Ph.D.
Educational Coordinator: A.W. Maloney, RTN
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 21 mos **Tuition:** $1290 Sem **Awards:** A.A.S. **Next Survey:** 1982
Affiliates: A. Einstein Coll of Med, VA Hosp, Misericordia Hosp Med Ctr, Bronx; Columbia-Presb Med Ctr; Mem Hosp; Norwalk Hosp, Norwalk; Roosevelt Hosp.; St. Vincent's Hosp.& Med Ctr;

Rochester Institute of Technology
One Lomb Memorial Dr.
Rochester, N.Y. 14623
Program Director: J. Wagner, PhD
Educational Coordinator: M. Jaconski, RT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 48 mos **Tuition:** $3276 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Comm-Gen Hosp of Greater Syracuse; Highland Hosp; Rochester General Hosp; Sisters of Charity Hosp, Buffalo; VA Hosp, Syracuse; Strong Memorial Hosp.; The Genesee Hosp.; F.F. Thompson Hosp, Canandaigua; Crouse-Irving Hosp, Syracuse; C. Wilson Mem Hosp;

NORTH CAROLINA

University of North Carolina
South Building
Chapel Hill, North Carolina 27514
Medical Director: E.V. Staab, MD
Program Director: M. Parrish, RT(N)
Prereq: RT,BS M.T. **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $115 Sem **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: North Carolina Memorial Hospital

Duke University Medical Center
Box 3701
Durham, North Carolina 27710
Medical Director: J.K. Goodrich, MD
Educational Coordinator: E. Blackburn, MS
Prereq: M.T. R.T. R.N. B.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** $550 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Forsyth Technical Institute
2100 Silas Creek Pkwy.
Winston-Salem, North Carolina 27103
Medical Director: R.J. Cowan, MD
Program Director: D.G. Harkness
Prereq: H.S. R.T. M.T. R.N. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: North Carolina Baptist Hospital, Winston-Salem; Forsyth Memorial Hospital, Winston-Salem

NORTH DAKOTA

Trinity Medical Center
Main Street & 4th Ave., S.W.
Minot, North Dakota 58701
Program Director: J.C. Smith II, MD
Educational Coordinator: D. Jundt, MT(ASCP)NMT
Prereq: 3 yrs Coll **Class Cap.:** 2 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1981
Affiliates: Minot State College

OHIO

Aultman Hospital Association
2600 Sixth St., S. W.
Canton, Ohio 44710
Program Director: R.N. DiSimone, MD
Educational Coordinator: A. Warnock, NMT, RT(ARRT)
Prereq: R.N. R.T. M.T. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1979

University of Cincinnati Medical Center
234 Bethesda Ave.
Cincinnati, Ohio 45267
Program Director: H.R. Maxon, MD
Educational Coordinator: G.W. Alexander, Jr.
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $320 Qtr Res$760 Non-Res **Awards:** A.S. **Prereq:** H.S. **Begins:** Jul **Length:** 48 mos **Tuition:** $320 Qtr Res$760 Non-Res **Awards:** B.S. **Next Survey:** 1981
Affiliates: Cincinnati General Hospital; Jewish Hospital; Children's Hospital Medical Center; Veterans Administration Hospital

Hillcrest Hospital
6780 Mayfield Rd.
Cleveland, Ohio 44124
Medical Director: D.B. Sodee, MD
Educational Coordinator: R.G. Conant, RT(ARRT)NM
Prereq: MT,BS RT **Class Cap.:** 23 **Begins:** Jan-Apr Jun-Sep **Length:** 12 mos **Tuition:** $1500 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Carle Clinic Assoc, Urbana, IL; Charleston Area Med Ctr, Chas, WV; Cuyahoga Falls Gen Hosp, C.F.; Doctors Hosp, Columbus; Eluria Mem Hosp, Elyria; J.E. Fogarty Mem Hosp, Woonsocket, RI; Lorain Comm Hosp, Lorain; Mercy Hosp, Pitts, PA; Mt. Sinai Hosp; OLL Mem Hosp, Binghamton, NY; Presb Hosp of Pacific Med Ctr, S.F., CA; St. Joseph Hosp, Bloomington, IL; St.Joseph Hosp, Lorain; St. Luke's Hosp, Maumee; St. Mary's Hosp, Richmond, VA; St. Vincent Charity Hosp; Toledo Hosp, Toledo; Western PA Hosp, Pitts., PA;

Riverside Methodist Hospital
3535 Olentangy River Rd.
Columbus, Ohio 43214
Program Director: D.R. Schmidt, MD
Educational Coordinator: H.C. Wehrung, RT(ARRT)
Prereq: R.T. **Class Cap.:** 2 **Begins:** Oct **Length:** 12 mos **Tuition:** $200 Qtr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

The Ohio State University
1583 Perry Street
Columbus, Ohio 43210
Medical Director: M.R. Tetalman, MD
Program Director: L.L. Nicol, BSRT
Educational Coordinator: J.R. Bland, BSRT
Prereq: RN,MT RT,BS **Class Cap.:** 10 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Grandview Hospital
405 Grand Ave.
Dayton, Ohio 45405
Program Director: J.M. Zimmerman, DO
Educational Coordinator: M. Berner, RT
Prereq: RT,BS RN,BA M.T. **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** $1600 **Awards:** Cert. **Next Survey:** 1981
Affiliates: Xavier University, Cincinnati

St. Elizabeth Hospital
1044 Belmont Ave.
Youngstown, Ohio 44501
Program Director: C.A. Hixson, MD
Educational Coordinator: R.C. DeKatch, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1979

OKLAHOMA

University of Oklahoma, Health Sciences Center
801 NE 13th
Oklahoma City, Oklahoma 73190
Program Director: C.W. Smith, MD
Educational Coordinator: P. Yurko, MS
Prereq: 2yrs Coll **Class Cap.:** 6 **Begins:** Aug **Length:** 24 mos **Tuition:** $18 sem Res $51 Hr Non Res **Awards:** B.S. **Next Survey:** 1982
Affiliates: Oklahoma Childrens Mem Hosp; VA Hosp; Univ Hosp & Clinics; Presb Hosp; Mercy Health Center;

Hillcrest Medical Center
1120 S. Utica
Tulsa, Oklahoma 74104
Program Director: S. Landgarten, MD
Educational Coordinator: S.D. Harris, RT(ARRT), NMT
Prereq: R.T. R.N. M.T. B.S. **Class Cap.:** 3 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

PENNSYLVANIA

Gwynedd-Mercy Coll's Phila. Sch of NMT
Edmonda Hall, Lansdowne Ave.
Philadelphia, Pennsylvania 19023
Medical Director: C.J. Rominger, MD
Program Director: J.A. McKeown, RT
Prereq: H.S. RT,MT MLT,BS RN **Class Cap.:** 24 **Begins:** Jul **Length:** 12 mos **Tuition:** $1250 **Awards:** A.S. Cert. **Next Survey:** 1983
Affiliates: Abington Mem Hosp; Amer Oncologic Hosp; Bryn Mawr Hosp; Crozer-Chester Med Ctr; Delaware Cty Mem Hosp; Frankford Hosp; Grandview Hosp; Hosp of the Med Coll of Penn; Lankenau Hosp; Mercy Catholic Med Ctr-Fitzgerald Mercy Div., Misericordia Div.; Methodist Hosp; Metro Hosp; Newcombe Gen Hosp; Rolling Hill Hosp; Sacred Heart Hosp; Temple U Hlth Sci Ctr; T. Jefferson U Hosp;

Harrisburg Hospital
South Front St.
Harrisburg, Pennsylvania 17101
Program Director: G.L. Jackson, MD
Educational Coordinator: N. Blosser, RT(ARRT)
Prereq: 1-3 yrs Coll **Class Cap.:** 18 **Begins:** Aug **Length:** 12 mos **Tuition:** $1500 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Harrisburg Area Community College; Lancaster General Hospital, Lancaster; Millersville State College, Millersville; York Hospital, York

Harrisburg Polyclinic Hospital
Third St. & Polyclinic Ave.
Harrisburg, Pennsylvania 17105
Program Director: M.A. Friedlander, MD
Educational Coordinator: J. Schneiker, RT(ARRT)
Prereq: R.T. M.T. R.N. B.S. **Class Cap.:** 3 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Lancaster General Hospital
555 N. Duke St.
Lancaster, Pennsylvania 17604
Medical Director: E.M. Cooper, MD
Educational Coordinator: V.E. Ward, RTN
Prereq: RT,BS RN,AS MT **Class Cap.:** 4
Begins: Aug **Length:** 12 mos **Tuition:** $1500
Awards: Cert. **Next Survey:** 1982
Affiliates: Harrisburg Hosp.

Temple University Hospital
3401 N. Broad St.
Philadelphia, Pennsylvania 19140
Medical Director: N.D. Charkes, MD
Program Director: J.J. Reilley, RT, NMT
Prereq: R.T. M.T. R.N. B.S. **Class Cap.:** 4
Begins: Oct-Jan Apr-Jul **Length:** 12 mos
Tuition: None **Awards:** Cert. **$Aid:** Stipend
Next Survey: 1981
Affiliates: J. F. Kennedy Medical Center, Edison, NJ

Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, Pennsylvania 15212
Medical Director: M.H. Adatepe, MD
Educational Coordinator: B. Berg, RT(ARRT)
Class Cap.: 15 **Next Survey:** 1983
Affiliates: Allegheny Gen Hosp; Shadyside Hosp; Western Penn Hosp; North Hills Passavant Hosp; St. John's Gen Hosp;

Presbyterian-University Hospital
Desota @ O'Hara Sts.
Pittsburgh, Pennsylvania 15213
Medical Director: L.W. Gumerman, MD
Program Director: L.H. Rose, RT(ARRT)
Prereq: R.T. M.T. R.N. B.S. A.A. **Class Cap.:** 3 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1980

Reading Area Community College
PO Box 1706
Reading, Pennsylvania 19605
Medical Director: R.L. Mulligan, MD
Educational Coordinator: A.M. High, RT
Prereq: H.S. **Class Cap.:** 16 **Begins:** June
Length: 24 mos **Tuition:** None **Awards:** A.S. **Next Survey:** 1981
Affiliates: Community General Hospital; Reading Hospital & Medical Center; St. Joseph's Hospital

York Hospital
1001 S. George St.
York, Pennsylvania 17405
Program Director: G.L. Jackson, MD
Educational Coordinator: J.S. Burkle, MD
Prereq: 1-3 Yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $1000
Awards: Cert. A.A. B.S. **Next Survey:** 1982
Affiliates: Harrisburg Area Community College, Harrisburg; Millersville State College, Lancaster; Harrisburg Hospital, Harrisburg

RHODE ISLAND

Rhode Island Hospital
593 Eddy St.
Providence, Rhode Island 02902
Program Director: S.I. Frater, MD
Educational Coordinator: L. Gross, RN
Prereq: R.T. R.N. M.T. B.S. **Class Cap.:** 8
Begins: Sep **Length:** 12 mos **Tuition:** None
Awards: Cert. **Next Survey:** 1980

SOUTH CAROLINA

Richland Memorial Hospital
3301 Harden St.
Columbia, South Carolina 29203
Program Director: D.F. Adcock, MD
Educational Coordinator: E.C. Shuman, RT(ARRT)
Prereq: RT,RN MT,BS R.N. B.S. **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Self Memorial Hospital
Spring St.
Greenwood, South Carolina 29646
Program Director: W.A. Klauber, MD
Prereq: RT,RN BS,MT **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Medical University of S.C., Charleston

TENNESSEE

Baptist Memorial Hospital
899 Madison Ave.
Memphis, Tennessee 38146
Medical Director: C.E. Nurnberger, PhD
Medical Director: J.F. Rockett, MD
Program Director: T. Fatchett, RT(ARRT)NM
Educational Coordinator: R. Welle, RT(ARRT)
Prereq: RT **Class Cap.:** 15 **Begins:** Jul
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

City of Memphis Hospitals
860 Madison Ave.
Memphis, Tennessee 38103
Medical Director: M. McDonald, MD
Program Director: M. Boyd
Prereq: Degree **Class Cap.:** 4 **Begins:** Sep
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Methodist Hospital
1265 Union Ave.
Memphis, Tennessee 38104
Medical Director: H.H. Halford, MD
Prereq: RT,MT RN,BS **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** None **$Aid:** Stipend **Next Survey:** 1983

TEXAS

Baylor College of Medicine
1200 Moursund Ave.
Houston, Texas 77030
Program Director: J.A. Burdine, MD
Educational Coordinator: P.H. Murphy, PhD
Prereq: R.T. M.T. R.N. 3 Yrs Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** $1200 **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St.Luke Episcopal-Texas Children's Hospital, Houston; Ben Taub General Hospital, Houston

Scott & White Clinic
2401 S. 31st St.
Temple, Texas 76501
Program Director: F.C. Petty, MD
Prereq: RT,BS M.T. **Class Cap.:** 8 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

UTAH

University of Utah
204 Park Bldg.
Salt Lake City, Utah 84112
Program Director: R.E. Coleman, MD
Educational Coordinator: P.E. Christian
Prereq: RT,BS **Class Cap.:** 5 **Begins:** Jul
Length: 12 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Veterans Administration Hosp.

VERMONT

University of Vermont
302 Rowell Building
Burlington, Vermont 05405
Program Director: L.M. Izzo, MS, RT(ARRT)
Medical Director: J.P. Clements, MD
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $1300 Sem Res$3200 Non-Res **Awards:** A.S. **$Aid:** Scholarship
Next Survey: 1980
Affiliates: Hartford Hosp, Hart., Manchester Mem Hosp, Man., CO; Maine Med Ctr, Portland, ME; Salem Hosp, Salem, Winchester Hosp, MA; M. Hitchcock Mem Hosp, Hanover, NH; Albany Med Ctr Hosp, Albany, Mem-Sloan Kettering, Ny, NY; Royal Victoria Hosp, Montreal, Quebec; RI Hosp, Providence RI; Med Ctr Hosp of Vermont; NW Hosp, St. Albans; Winchester Mem Hosp;

VIRGINIA

University of Virginia Medical Center
Charlottesville, Virginia 22908
Program Director: C.D. Teates, MD
Educational Coordinator: D. Miller, RNMT(ARRT)
Prereq: MT,RN RT **Class Cap.:** 10 **Begins:** Sep **Length:** 12 mos **Tuition:** $250 Ent. Fee
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1982

Roanoke Memorial Hospital
Belleview at Jefferson St.
Roanoke, Virginia 24009
Medical Director: C.D. Smith, MD
Program Director: J.L. Cochrane, RT(ARRT)NM
Prereq: R.T. M.T. B.S. R.N. **Class Cap.:** 4
Begins: Sep **Length:** 12 mos **Tuition:** $200
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1979

WASHINGTON

The Swedish Hospital Medical Center
747 Summit Ave.
Seattle, Washington 98104
Program Director: R. Marty, MD
Educational Coordinator: S. Schlegel, NMT
Prereq: 3 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $56 Cr Hr
Awards: B.S. **Next Survey:** 1981
Affiliates: Virginia Mason Hospital; Seattle University; Group Health Hospital

Holy Family Hospital
N. 5633 Lidgerwood Ave.
Spokane, Washington 99207
Program Director: A.G. Lurus, MD
Educational Coordinator: G.W. Enos, RT(ARRT)
Prereq: M.T. R.T. R.N. B.S. **Class Cap.:** 2
Begins: Sep **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1981

WEST VIRGINIA

West Virginia University Hospital
1244 University Hospital
Morgantown, West Virginia 26506
Medical Director: O.F. Gabriele, MD
Program Director: J.M. Boyles, RT(ASCP)
Prereq: BS,RN RT,MT **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

WISCONSIN

St. Marys Hospital Medical Center
707 South Mills St.
Madison, Wisconsin 53715
Program Director: S. Dudiak, MD
Educational Coordinator: M.E. McKinley
Prereq: 3 Yrs Coll R.T. **Class Cap.:** 5 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** None
Awards: B.S. Cert. **Next Survey:** 1984
Affiliates: Univ. of Wisconsin Medical Center; William S. Middleton Memorial V.A. Hosp.; Univ. of Wisconsin-LaCrosse

Alverno College
3401 S. 39th St.
Milwaukee, Wisconsin 53215
Medical Director: P.P. Ruetz, MD
Program Director: Sr. E. Kramer, PhD
Educational Coordinator: J. Roberts, MT, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep
Length: 24 mos **Tuition:** $1100 Sem **Awards:** B.S. **Next Survey:** 1980
Affiliates: St. Mary's Hospital

Milwaukee County Medical Complex
8700 W. Wisconsin Ave.
Milwaukee, Wisconsin 53226
Medical Director: J.S. Soin, MD
Program Director: F.G. Steffel, NMT
Prereq: M.T. R.T. R.N. B.S. **Class Cap.:** 6
Begins: Sep **Length:** 12 mos **Tuition:** $250
Awards: Cert. **Next Survey:** 1982
Affiliates: Medical College of Wisconsin

St. Luke's Hospital
2900 W. Oklahoma Ave.
Milwaukee, Wisconsin 53215
Program Director: D.R. Spiegelhoff, MD
Educational Coordinator: L. Meyer, NMT
Prereq: 3 Yrs Coll **Class Cap.:** 4 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 **Awards:** B.S. **Next Survey:** 1982
Affiliates: University of Wisconsin-LaCrosse; St. Mary's College, Winona, Minn.

Occupational Therapist

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Program Director: E. Moyer, MS, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $210 Qtr Res$420 Non-Res **Awards:** B.S. Cert. **$Aid:** Stipend **Next Survey:** 1981

ARKANSAS

University of Central Arkansas
Suite 100, Room 101
Conway, Arkansas 72032
Program Director: M.Q. Ross, MA, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 15 **Begins:** Jun **Length:** 21 mos **Tuition:** $230 Res $520 Non-Res **Awards:** B.S. **Next Survey:** 1984

CALIFORNIA

University of Southern California
12933 Erickson Ave.
Downey, California 90242
Program Director: L.V. Wendland, Ph.D
Educational Coordinator: E. Yerxa, Ed.D, OTR
Prereq: 3 Yrs Coll **Class Cap.:** 60 **Begins:** Jul **Length:** 16 mos **Tuition:** $2100 sem **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 35 **Begins:** Jul **Length:** 24 mos **Tuition:** $2100 sem **Awards:** M.A. **$Aid:** Scholarship **Next Survey:** 1981

Loma Linda University
Loma Linda, California 92350
Program Director: E. Marshall, MA, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** June **Length:** 21 mos **Tuition:** $4235 Jr Yr $3314 Sr Yr **Awards:** B.S. **Next Survey:** 1983

San Jose State University
125 S Seventh St
San Jose, California 95192
Program Director: J. Ward, MA, OTR
Prereq: Univ. Req. **Class Cap.:** 55 **Begins:** Sep/Jan **Length:** 38-41 mos. **Tuition:** $97 Sem Res $885 Non-Res **$Aid:** Scholarship **Awards:** B.S. Cert. **Prereq:** Degree **Class Cap.:** 15 **Begins:** Sep/Jan **Length:** 18 mos. **Tuition:** $97 Sem Res $727 Non-Res **$Aid:** Scholarship **Awards:** Cert. **Prereq:** Degree **Class Cap.:** 25 **Begins:** Sep **Length:** 21 mos. **Tuition:** $97 Sem Res $2362 Non-Res **$Aid:** Scholarship **Awards:** Cert. M.S.

COLORADO

Colorado State University
Administration Building
Fort Collins, Colorado 80523
Program Director: A.L. Ford, MS, OTR
Prereq: Univ. Req. **Class Cap.:** 64 **Begins:** Sep **Length:** 20 mos **Tuition:** $755 Yr Res $2451 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1980

CONNECTICUT

Quinnipiac College
Mount Carmel Ave.
Hamden, Connecticut 06518
Program Director: R.M. Griffin, PhD, OTR, FAOTA
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 43 mos **Tuition:** $2700 **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1984

WASHINGTON, D.C.

Howard University
Georgia Avenue
Washington, D.C. 20001
Program Director: G.A. Maguire, MS OTR
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 19 mos **Tuition:** $775 SEM **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

FLORIDA

University of Florida
J. Hillis Miller Hlth Ctr-Box
Gainesville, Florida 32610
Program Director: L.A. Llorens, PhD, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 32 **Begins:** Sep **Length:** 22 mos **Tuition:** $17 Cr Hr Res $52 Non-Res **Awards:** B.H.S. **Next Survey:** 1981

Florida International University
Tamiami Trail at S.W. 107th St
Miami, Florida 33199
Program Director: B.R. Weiner, MA, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $330 Qtr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

GEORGIA

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Program Director: N.D. Prendergast, MEd, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Jun **Length:** 24 mos **Tuition:** $820 Res $2088 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1983

ILLINOIS

University of Illinois College of Medicine
808 S. Wood St.
Chicago, Illinois 60612
Program Director: B. Loomis, MA, OTR
Prereq: Univ. Req. **Class Cap.:** 55 **Begins:** Aug **Length:** 40 mos **Tuition:** $322 Qtr Res$712 Non-Res **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1984

INDIANA

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Program Director: C. Nathan, MA, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Aug **Length:** 19 mos **Tuition:** $24 Cr Res $55 Cr Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

KANSAS

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Program Director: J.M. Wyrick, MA, OTR
Educational Coordinator: D.A. Penner, MA, OTR
Prereq: H.S. **Class Cap.:** 100 **Begins:** Jan-Aug **Length:** 40 mos(OTR) **Tuition:** $344 Sem Res$839 Non Res **Awards:** Cert. B.S. **$Aid:** Stipend & Scholarship **Length:** 21 mos(COTA) **Next Survey:** 1982

LOUISIANA

Northeast Louisiana University
700 University Ave.
Monroe, Louisiana 71209
Program Director: L. Sens, MA, OTR
Prereq: H.S. 2 Yrs Coll **Class Cap.:** 16 **Begins:** Jan-Jun Sep **Length:** 23 mos **Tuition:** $208 Sem Res$523 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1983

Louisiana State University Medical Center
1400 Canal St.
New Orleans, Louisiana 70119
Program Director: S. Cunningham, MA, OTR
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Jun **Length:** 26 mos **Tuition:** $235 Sem **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1981

MARYLAND

Towson State University
Osler Dr.& Towsontowne Blvd.
Baltimore, Maryland 21204
Program Director: M. Blount, AM, OTR
Prereq: H.S. **Class Cap.:** 30 **Begins:** Feb-Sep **Length:** 38 mos **Tuition:** $298 Sem **Awards:** B.A. B.S. **$Aid:** Stipend & Scholarship

MASSACHUSETTS

Boston Univ., Sargent College of Allied Health Professions
147 Bay State Road
Boston, Massachusetts 02215
Program Director: N.H. Talbot, M.Ed., OTR
Prereq: Univ. Req. **Class Cap.:** 70 **Begins:** Sep **Length:** 45 mos **Tuition:** $1915 Sem **Awards:** B.S. **$Aid:** Stipend & Scholarship **Prereq:** Degree **Class Cap.:** 35 **Begins:** Sep **Length:** 21 mos **Tuition:** $1915 Sem **Awards:** M.O.T. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Tufts University
136 Harrison Ave.
Medford, Massachusetts 02155
Program Director: N. Greenman, Ed.M., OTR
Prereq: Univ. Req. **Class Cap.:** 60 **Begins:** Sep **Length:** 38 mos **Tuition:** $4500 Yr **Awards:** B.S. **$Aid:** Stipend & Scholarship **Prereq:** BA/BS **Class Cap.:** 10 **Begins:** Sep **Length:** 26 mos **Tuition:** $6750 Yr **Awards:** M.A. M.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

MICHIGAN

Wayne State University
Detroit, Michigan 48202
Program Director: M.E. Freeling, MA, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $389 Qtr Res$960 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $389 Qtr Res$960 Non-Res **Awards:** Cert. **Next Survey:** 1984

Western Michigan University
Kalamazoo, Michigan 49008
Program Director: B.A. Rider
Prereq: H.S. **Class Cap.:** 70 **Begins:** Sep **Length:** 38 mos **Tuition:** $26 Cr Hr Res $58 Non-Res **Awards:** B.S. **$Aid:** Stipend & Scholarship **Prereq:** Degree **Class Cap.:** 40 **Begins:** June **Length:** 22 mos **Tuition:** $34 Cr Hr Res $74 Non-Res **Awards:** M.O.T. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Eastern Michigan University
143 Pierce Hall
Ypsilanti, Michigan 48197
Program Director: L. Spelbring, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 42 **Begins:** Jan-Sep **Length:** 24 mos **Tuition:** $368 Sem Res$900 Non-Res **Awards:** B.S. **Next Survey:** 1983

MINNESOTA

University of Minnesota Health Sciences Center
432 Morrill
Minneapolis, Minnesota 55455
Program Director: M.G. Lepley, OTR
Medical Advisor: F.J. Kottke, MD
Prereq: Univ. Req. **Class Cap.:** 30 **Begins:** Sep **Length:** 39 mos **Tuition:** $416 Qtr Res$1041 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

College of St. Catherine
2004 Randolph Ave.
St. Paul, Minnesota 55105
Program Director: D.P. Thomas, MS, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $2400 Yr **Awards:** B.A. **$Aid:** Stipend & Scholarship **Prereq:** Degree **Begins:** Sep **Length:** 27 mos **Tuition:** $2400 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

MISSOURI

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Program Director: H.D. Dundon, MA, OTR, FAOTA
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Jun **Length:** 24 mos **Tuition:** $360 Sem Res$792 Non-Res **Awards:** B.S. Med **Next Survey:** 1982

Washington University School of Medicine
Lindell at Skinker Campus
St. Louis, Missouri 63130
Program Director: J.A. Johnson, Ed.D, OTR
Medical Advisor: S. Eliasson, MD, PhD
Prereq: 2 Yrs Coll **Class Cap.:** 50 **Begins:** Aug **Length:** 24 mos **Tuition:** $2375 Sem **Awards:** B.S. **Next Survey:** 1984

NEW HAMPSHIRE

University of New Hampshire
President's Office Thompson Ha
Durham, New Hampshire 03824
Program Director: B. Sussenberger, MS, OTR
Educational Coordinator: C.J. Gryde, MA, OTR
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 45 mos **Tuition:** $1150 Yr Res$3550 Non-Res **Awards:** B.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

NEW YORK

State University of New York Downstate Medical Center
450 Clarkson Ave.
Brooklyn, New York 11203
Program Director: P. Neufeld
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Jun **Length:** 30 mos **Tuition:** $300 Qtr Res$500 Non-Res **Awards:** B.S. **Next Survey:** 1981

State University of New York at Buffalo
506 Capen Hall
Buffalo, New York 14214
Program Director: R.L. Smiley, MA, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 100 **Begins:** Sep **Length:** 24 mos **Tuition:** $900 Res $1500 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $1400 Res $1800 Non-Res **Awards:** M.S. **$Aid:** Scholarship **Next Survey:** 1984

York College of the City University of New York
150-14 Jamaica Ave.
Jamaica, New York 11451
Program Director: W. Edward, MS, OTR
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 54 mos **Tuition:** $388 Lower R$463 Upper **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1981

Columbia University College of Physicians & Surgeons
630 W. 168th St.
New York, New York 10032
Program Director: M.L. Franciscus, MA, OTR
Prereq: Degree **Class Cap.:** 32 **Begins:** Sep **Length:** 22 mos **Tuition:** $2325 Sem **Awards:** M.S. **Next Survey:** 1980

New York University
34 Stuyvesant St., Room 402
New York, New York 10003
Program Director: A.C. Mosey, PhD, OTR
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 44 mos **Tuition:** $126 Point **Awards:** B.S. **Prereq:** Degree **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $126 Point **Awards:** M.A. **Next Survey:** 1981

Utica College of Syracuse University
Burrstone Rd.
Utica, New York 13502
Program Director: R.C. Wright, MS, OTR
Prereq: Coll Req. **Class Cap.:** 50 **Begins:** Jan-Sep **Length:** 48 mos **Tuition:** $1738 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

NORTH CAROLINA

East Carolina University
Greenville, North Carolina 27834
Program Director: J.C. Pennucci, MA, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 14 **Begins:** Sep **Length:** 27 mos **Tuition:** $155 Sem Res$1015 Non-Res **Awards:** B.S.P. **$Aid:** Scholarship **Next Survey:** 1983

NORTH DAKOTA

University of North Dakota
Grand Forks, North Dakota 58202
Program Director: A. Lind, PhD, OTR
Medical Advisor: H.A. Carbone, MD
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** $545 Sem Res$1313 Non-Res **Awards:** B.S. **Next Survey:** 1983

OHIO

Cleveland State University
1983 E. 24th
Cleveland, Ohio 44115
Program Director: C. Brayley, MS, OTR
Prereq: H.S. **Class Cap.:** 30 **Begins:** Qtrly **Length:** 48 mos **Tuition:** $300 Qtr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

The Ohio State University College of Medicine
190 N. Oval Mall
Columbus, Ohio 43210
Program Director: K. Grant, MS, OTR
Prereq: 6 Qtrs Coll **Class Cap.:** 60 **Begins:** Jun **Length:** 27 mos **Tuition:** $260 Qtr Res$610 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1984

OKLAHOMA

University of Oklahoma, Health Sciences Center
801 NE 13th
Oklahoma City, Oklahoma 73190
Program Director: K. Reed, PhD,OTR
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 22 mos **Tuition:** $18 Hr Res $51 Hr Non Res **Awards:** B.S. **Next Survey:** 1980

PENNSYLVANIA

Elizabethtown College
Elizabethtown, Pennsylvania 17022
Program Director: D. Gordon, OTR
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 48 mos **Tuition:** $1700 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

Temple University
3307 N. Broad St.
Philadelphia, Pennsylvania 19140
Program Director: L.N. Peake, PhD, OTR, FAOTA
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 25 mos **Tuition:** $975 Sem Res$1675 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

University of Pennsylvania
420 Service Dr.
Philadelphia, Pennsylvania 19104
Program Director: N.B. Ellis, PhD, OTR
Prereq: Univ. Req. **Class Cap.:** 30 **Begins:** Sep **Length:** 48 mos **Tuition:** $4750 Yr **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 30 **Begins:** Sep **Length:** 14 mos **Tuition:** $4750 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

PUERTO RICO

University of Puerto Rico, Medical Science Campus
G.P.O. Box 5067
Rio Piedras, Puerto Rico 00936
Program Director: M.L. Barber, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Aug **Length:** 21 mos **Tuition:** $72 Tri Res$693 Non-Res **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Medical Director: D. Toole, M.Ed, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $880 Res $1760 Non Res **Awards:** B.S. **Next Survey:** 1981

TEXAS

Texas Woman's University
Box 23925, TWU Station
Denton, Texas 76204
Medical Director: M. Grabois, MD
Program Director: R.W. Pershing, Ed.S, OTR
Educational Coordinator: N. Griffin, Ed.D, OTR
Prereq: H.S. **Class Cap.:** 100 **Begins:** Jan-Aug Jun **Length:** 45 mos **Tuition:** $4 Cr Hr Res $40 Cr Non-Res **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 10 **Begins:** Jan-Aug Jun **Length:** 27 mos **Awards:** Cert. **Next Survey:** 1980

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Program Director: R.K. Bing
Prereq: 2 Yrs Coll **Class Cap.:** 42 **Begins:** June **Length:** 22 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1984

VIRGINIA

Medical College of Virginia/Virginia Commonwealth University
910 West Franklin St.
Richmond, Virginia 23284
Program Director: P.A. Maurer, PhD, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $845 Yr Res $1690 Non-Res **Awards:** B.S. **Prereq:** Degree **Class Cap.:** 20 **Begins:** Jun **Length:** 24 mos **Tuition:** $770 Yr Res $1090 Non Res **Awards:** M.S. **Next Survey:** 1980

WASHINGTON

University of Washington Health Sciences Center
Seattle, Washington 98195
Medical Director: J.F. Lehmann, MD
Program Director: B. Moore, PhD, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $229 Qtr Res$798 Non-Res **Awards:** B.S. **Prereq:** Degree **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $257 Qtr Res$912 Non-Res **Awards:** M.O.T. **Next Survey:** 1981

University of Puget Sound
1500 N. Warner
Tacoma, Washington 98416
Program Director: S.J. Morelan, PhD, OTR
Educational Coordinator: S. Olsen, OTR
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jan-Feb Jun-Sep **Length:** 42 mos **Tuition:** $3100 Yr **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 30 **Begins:** Jan-Feb Jun-Sep **Length:** 24 mos **Tuition:** $3100 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

WISCONSIN

The University of Wisconsin-Madison
220 WARF, 610 North Walnut St.
Madison, Wisconsin 53706
Program Director: A. Punwar, MS, OTR
Prereq: 2 Yrs Coll **Class Cap.:** 60 **Begins:** Aug **Length:** 24 mos **Tuition:** $406 Sem Res$1473 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1983

Mount Mary College
2900 Menomonee River Pkwy.
Milwaukee, Wisconsin 53222
Program Director: M. Mirenda, MS, OTR
Prereq: Coll Req. **Class Cap.:** 40 **Begins:** Aug **Length:** 45 mos **Tuition:** $1050 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982

University of Wisconsin-Milwaukee
P. O. Box 413
Milwaukee, Wisconsin 53201
Program Director: F. Stein, PhD, OTR
Prereq: H.S. **Class Cap.:** 55 **Begins:** Sep **Length:** 48 mos **Tuition:** $419 Sem Res$1486 Non-Res **Awards:** B.S. **Next Survey:** 1981

Ophthalmic Medical Assistant

Prereq.–admission requirements
Length–length of educational program
Begins–date classes begin
Class Cap.–maximum students per class
Tuition–annual if not specified
$ Aid–scholarship and/or stipend offered
Awards–degree or certificate granted by program
Next Survey–anticipated date of resurvey for continuing accreditation
Affiliates–institution (academic and/or clinical) providing clinical practice

MINNESOTA

Educational Study Association
1575 University Avenue
St. Paul, Minnesota 55104
Medical Director: W.B. Clark, MD
Program Director: R.J. Augustine
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 21 mos **Tuition:** $1886 **Awards:** Cert. **Next Survey:** 1983
Affiliates: St. Paul Ramsey Hospital & Medical Center; St. Paul Ramsey Hospital Eye Clinic; Model Cities Health Eye Clinic;

NEW YORK

New York Eye and Ear Infirmary
310 E. l4th St.
New York, New York 10003
Program Director: S. Shippman
Prereq: B.S. **Class Cap.:** 2 **Begins:** Jul **Length:** 24 mos **Tuition:** $1500 **Next Survey:** 1980

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Medical Director: W.W. Vallotton, MD
Program Director: E.A. Tomlinson, BA
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $440 Yr **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1983

Physical Therapist

Prereq.–admission requirements
Length–length of educational program
Begins–date classes begin
Class Cap.–maximum students per class
Tuition–annual if not specified
$ Aid–scholarship and/or stipend offered
Awards–degree or certificate granted by program
Next Survey–anticipated date of resurvey for continuing accreditation
Affiliates–institution (academic and/or clinical) providing clinical practice

ALABAMA

Tuskegee Institute
Tuskegee, Alabama 36088
Program Director: T.F. Childs, Ed.D. RPT
Prereq: 2 Yrs Coll **Class Cap.:** 14 **Begins:** Jun **Length:** 26 mos **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Veterans Administration Hospital

ARKANSAS

University of Central Arkansas
Suite 100, Room 101
Conway, Arkansas 72032
Program Director: J. Finnell, RPT
Prereq: 3 Yrs Coll **Class Cap.:** 28 **Begins:** Jun **Length:** 15 mos **Tuition:** $207 Sem Res$462 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

CALIFORNIA

California State University at Fresno
Cedar & Shaw Ave.
Fresno, California 93740
Program Director: E.J. Turnquist, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $72 Sem Res$650 Non-Res **Awards:** B.S. **Next Survey:** 1980

Loma Linda University
Loma Linda, California 92350
Program Director: J.D. Wheaton, MA, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 56 **Begins:** Jun **Length:** 24 mos **Tuition:** $3750 Jr Yr $3095 Sr Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

Childrens Hospital of Los Angeles
4650 Sunset Blvd.
Los Angeles, California 90054
Program Director: G.E. Mc Dowell, MA, RPT
Prereq: B.A. B.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 14 mos **Tuition:** $1800 **Awards:** Cert. **Next Survey:** 1980

California State University, Northridge
18111 Nordhoff St.
Northridge, California 91324
Program Director: M.E. Bennett, MA, RPT
Prereq: 3 Yrs Coll **Class Cap.:** 20 **Begins:** Sep-Jan **Length:** 21-24 mos **Tuition:** Approx.$750 **Awards:** B.S. Cert. **Next Survey:** 1980

Stanford University School of Medicine
Stanford Medical Center - M123
Stanford, California 94305
Program Director: H. Blood, EdD, RPT
Prereq: B.A. **Class Cap.:** 28 **Begins:** Sep **Length:** 21 mos **Tuition:** $4275 Yr **Awards:** M.A. **$Aid:** Scholarship **Next Survey:** 1982

COLORADO

University of Colorado Medical Center
4200 E. Ninth Ave.
Denver, Colorado 80262
Program Director: J.R. Clinkingbeard, MS
Medical Advisor: J.W. Gersten, MD
Prereq: 3 Yrs Coll **Class Cap.:** 32 **Begins:** Jul **Length:** 13 mos **Tuition:** $1250 Res $5000 Non-Res **Awards:** B.S. **Next Survey:** 1980

CONNECTICUT

Quinnipiac College
Mount Carmel Ave.
Hamden, Connecticut 06518
Program Director: H. Potts, RPT
Prereq: H.S. **Class Cap.:** 45 **Begins:** Sep **Length:** 48 mos **Tuition:** $2700 Yr **Awards:** B.S. **Next Survey:** 1980

University of Connecticut
U-48 Gulley Hall
Storrs, Connecticut 06268
Program Director: J.M. Bauer, MS,RPT
Prereq: H.S. **Class Cap.:** 80 **Begins:** Sep **Length:** 36 mos **Tuition:** $175 Sem Res$425 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

WASHINGTON, D.C.

Howard University
Georgia Avenue
Washington, D.C. 20001
Program Director: G. Moore, RPT
Prereq: 2 yrs Coll **Begins:** Sep **Length:** 24 mos **Tuition:** $650 Yr **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

FLORIDA

University of Florida
J. Hillis Miller Hlth Ctr-Box
Gainesville, Florida 32610
Program Director: F.M. Rutan, MS, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** $17 Cr Hr **Awards:** B.H.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

GEORGIA

Emory University
Atlanta, Georgia 30322
Program Director: R. Kalish, PhD
Prereq: Degree **Class Cap.:** 18 **Begins:** Jan **Length:** 17 mos **Tuition:** $1200 Qtr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Georgia State University
University Plaza
Atlanta, Georgia 30303
Program Director: P. Yarbrough
Prereq: 2 yrs Coll **Class Cap.:** 28 **Begins:** Sep **Length:** 21 mos **Tuition:** $12 Qtr Res$37 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Program Director: B.J. May, Ed.D.
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 22 mos **Tuition:** $580 Yr Res $960 Non-Res **Awards:** B.S. **$Aid:** Scholarship

ILLINOIS

Northwestern University Medical School
303 E. Chicago Ave.
Chicago, Illinois 60611
Program Director: S.C. Pierson, MS, RPT
Prereq: 3 Yrs Coll **Class Cap.:** 40 **Begins:** Jul **Length:** 15 mos **Tuition:** $1185 Qtr **Awards:** B.S. **$Aid:** Stipend & Scholarship
Prereq: Degree **Class Cap.:** 80 **Begins:** Jul **Length:** 15 mos **Tuition:** $1185 Qtr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

University of Illinois College of Medicine
806 S. Wood St.
Chicago, Illinois 60612
Program Director: G. Brawley, PhD
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 19 mos **Tuition:** $311 Qtr Res$701 Non-Res **Awards:** B.S. **Next Survey:** 1980

University of Health Sciences/Chicago Medical School
Building 51, (VAH)
North Chicago, Illinois 60064
Program Director: V.C. Daniel, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 24 **Begins:** Sep **Length:** 18 mos **Tuition:** $2700 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

INDIANA

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Program Director: F.C. Ekstam, MS
Prereq: 2 yrs Coll **Class Cap.:** 44 **Begins:** Aug **Length:** 20 mos **Tuition:** $21 Cr Hr Res $42 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

IOWA

University of Iowa Hospitals and Clinics
Iowa City, Iowa 52242
Program Director: G.L. Smidt, LPT, PhD
Prereq: 3 Yrs Coll **Class Cap.:** 30 **Begins:** Aug **Length:** 21 mos **Tuition:** $429 Sem Res$909 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

KANSAS

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Program Director: R.E. Scott, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Aug **Length:** 24 mos **Tuition:** $218 Sem Res$613 Non-Res **Awards:** B.S. **Next Survey:** 1981

Wichita State University
1845 Fairmount
Wichita, Kansas 67208
Program Director: C. Weaver, RPT,MS
Prereq: 2 Yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 20 mos **Tuition:** $350 Sem Res$850 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

KENTUCKY

University of Kentucky Medical Center
#103 Administration Bldg
Lexington, Kentucky 40506
Program Director: R.V. Mc Dougall, MEd
Prereq: 2 Yrs Coll **Class Cap.:** 32 **Begins:** Aug **Length:** 24 mos **Tuition:** $275 Sem Res$750 Non-Res **Awards:** B.S. **Next Survey:** 1981

LOUISIANA

Louisiana State University Medical Center
1400 Canal St.
New Orleans, Louisiana 70119
Program Director: J.F. Burke, PhD
Prereq: 2 Yrs Coll **Class Cap.:** 20 **Begins:** June **Length:** 24 mos **Tuition:** $465 Yr **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980

MARYLAND

University of Maryland
655 W. Baltimore St.
Baltimore, Maryland 21201
Program Director: C.W. Hardiman, Ph.D.
Prereq: 2 Yrs Coll **Class Cap.:** 52 **Begins:** Aug **Length:** 20 mos **Tuition:** $756 Sem Res$2186 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

MASSACHUSETTS

Simmons College
300 The Fenway
Boston, Massachusetts 02115
Program Director: C.F. Mc Carthy, MS
Prereq: Univ. Req. **Class Cap.:** 32 **Begins:** Sep **Length:** 42 mos **Tuition:** $129 Cr Hr **Awards:** B.S. **$Aid:** Stipend & Scholarship **Prereq:** Degree **Class Cap.:** 32 **Begins:** Jul **Length:** 18 mos **Tuition:** $129 Cr Hr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

MICHIGAN

University of Michigan Medical Center
1405 E. Ann St., Box 45
Ann Arbor, Michigan 48109
Program Director: R.E. Darnell, RPT, PhD
Prereq: 2 Yrs Coll **Class Cap.:** 36 **Begins:** Sep **Length:** 24 mos **Tuition:** $574 Sem Res$1740 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

Wayne State University
Detroit, Michigan 48202
Program Director: R. Cottman, MA, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 26 mos **Tuition:** $355 Qtr Res$963 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

MINNESOTA

University of Minnesota Health Sciences Center
432 Morrill
Minneapolis, Minnesota 55455
Program Director: W.L. Moen, RPT
Prereq: 2 yrs Coll **Class Cap.:** 30 **Begins:** Sep **Length:** 20 mos **Tuition:** $1032 Yr Res $2760 Non-Res **Awards:** B.S. **Next Survey:** 1980

Mayo Foundation
200 First St., S.W.
Rochester, Minnesota 55901
Medical Director: R.G. Tinkham, MD
Program Director: G.K. Branes, RPT
Prereq: 3 Yrs Coll **Class Cap.:** 34 **Begins:** Aug **Length:** 22 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

MISSISSIPPI

University of Mississippi Medical Center
2500 N. State St.
Jackson, Mississippi 39216
Program Director: R.E. Hogue, PhD
Prereq: 2 Yrs Coll **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $486 YrRes $1086 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

MISSOURI

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Program Director: G.W. Browning, M.Ed.
Prereq: 2 Yrs Coll **Class Cap.:** 35 **Begins:** June **Length:** 24 mos **Tuition:** $322 Sem Res$922 Non-Res **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

St. Louis University
3525 Caroline Street
St. Louis, Missouri 63104
Program Director: I. Ruebling
Prereq: H.S. **Class Cap.:** 48 **Begins:** Sep **Length:** 36 mos **Tuition:** $1500 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

Washington University School of Medicine
Lindell at Skinker Campus
St. Louis, Missouri 63130
Medical Director: R.E. Shank, MD
Program Director: I. Bohman, MS
Prereq: 2 Yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 21 mos **Tuition:** $3900 Yr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

NEW MEXICO

University of New Mexico School of Medicine
Albuquerque, New Mexico 87131
Program Director: E.M. Barnett
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $260 Sem **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

NEW YORK

Albany Medical College
47 New Scotland Ave.
Albany, New York 12208
Director: N.T. Farina, MS, RPT, (Actg.)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep **Length:** 40 mos **Tuition:** $2865 Yr $3500 Off Cam **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

State University of New York Downstate Medical Center
450 Clarkson Ave.
Brooklyn, New York 11203
Program Director: J.C. Pfitzenmaier, MA, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 30 **Begins:** Jun **Length:** 24 mos **Tuition:** $300 Qtr Res$500 Non-Res **Awards:** B.S. **Next Survey:** 1980

Ithaca College
Danby Rd.
Ithaca, New York 14850
Program Director: J. Alexander, PhD, RPT
Prereq: H.S. **Class Cap.:** 70 **Begins:** Sep **Length:** 39 mos **Tuition:** $3860 Sem **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Columbia University College of Physicians & Surgeons
630 W. 168th St.
New York, New York 10032
Program Director: M.E. Callahan, MA
Prereq: Degree **Class Cap.:** 50 **Begins:** Sep **Length:** 14 mos **Tuition:** $2120 Sem **Awards:** Cert. **Next Survey:** 1980

Hunter College
105 E. 106th St.
New York, New York 10029
Program Director: R.E. Ayers, MS
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $900 Res $900 Non-Res **Awards:** B.S. Cert. **Next Survey:** 1982

New York University
34 Stuyvesant St., Room 402
New York, New York 10003
Program Director: A. Nelson, PhD
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 39 mos **Tuition:** $108 Cr **Awards:** B.S. Cert. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 30 **Begins:** Jul **Length:** 14 mos **Tuition:** $108 Cr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

NORTH CAROLINA

University of North Carolina
South Building
Chapel Hill, North Carolina 27514
Program Director: R.U. Mitchell, PhD, LPT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug **Length:** 39 mos **Tuition:** $1037 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

Duke University Medical Center
Box 3701
Durham, North Carolina 27710
Program Director: R.C. Bartlett
Educational Coordinator: E.F. Branch, PhD
Prereq: Degree **Class Cap.:** 22 **Begins:** Sep **Length:** 21 mos **Tuition:** $126 CrUnit **Awards:** M.S. **$Aid:** Scholarship **Next Survey:** 1980

East Carolina University
Greenville, North Carolina 27834
Program Director: G.F. Hamilton, MS
Prereq: 2 Yrs Coll **Class Cap.:** 16 **Begins:** Sep **Length:** 21 mos **Tuition:** $241 Sem Res$1065 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1984

NORTH DAKOTA

University of North Dakota School of Medicine
University Station
Grand Forks, North Dakota 58202
Program Director: H. Wessman, RPT
Prereq: 2 yrs Coll **Class Cap.:** 30 **Begins:** Aug **Length:** 20 mos **Tuition:** $228 Sem Res$593 Non-Res **Awards:** B.S. **Next Survey:** 1980

OHIO

The Ohio State University College of Medicine
190 N. Oval Mall
Columbus, Ohio 43210
Program Director: F.M. Pierson, MA, LPT
Prereq: 2 Yrs Coll **Class Cap.:** 60 **Begins:** Sep **Length:** 21 mos **Tuition:** $305 Qtr Res$620 Non-Res **Awards:** B.S. **Prereq:** Degree **Class Cap.:** 10 **Begins:** Sep **Length:** 21 mos **Awards:** Cert. **Next Survey:** 1981

PENNSYLVANIA

Temple University
3307 N. Broad St.
Philadelphia, Pennsylvania 19140
Program Director: H.L. Dervitz, MA
Prereq: 2 Yrs Coll **Class Cap.:** 36 **Begins:** Sep **Length:** 21 mos **Tuition:** $725 Sem Res$1375 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

University of Pittsburgh
106 Pennsylvania Hall
Pittsburgh, Pennsylvania 15260
Program Director: J.L. Martin, MS, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 46 **Begins:** Sep **Length:** 19 mos **Tuition:** $667 Sem Res$1322 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

PUERTO RICO

University of Puerto Rico, Medical Science Campus
G.P.O. Box 5067
Rio Piedras, Puerto Rico 00936
Program Director: Y.Diaz-Buso
Prereq: 2 Yrs Coll **Class Cap.:** 36 **Begins:** Aug **Length:** 20 mos **Tuition:** $227 Yr Res $2077 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Program Director: R.A. Borden, MS,RPT
Prereq: 2 yrs Coll **Class Cap.:** 18 **Begins:** Jun **Length:** 24 mos **Tuition:** $660 Res $900 Non-Res **Awards:** B.S. **Next Survey:** 1981

TENNESSEE

The University of Tennessee Center for the Health Sciences
62 South Dunlap
Memphis, Tennessee 38163
Program Director: A.B. Hightower, MS
Prereq: 3 Yrs Coll **Class Cap.:** 24 **Begins:** Sep **Length:** 15 mos **Tuition:** $195 Qtr Res$507 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

TEXAS

University of Texas Health Science Center at Dallas
5323 Harry Hines Blvd.
Dallas, Texas 75235
Program Director: D. El-Din (Actg.)
Prereq: 3 Yrs Coll **Class Cap.:** 36 **Begins:** June **Length:** 15 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

Texas Woman's University
Box 23925, TWU Station
Denton, Texas 76204
Program Director: C. K. Rozier, PhD
Prereq: H.S. **Class Cap.:** 100 **Begins:** Jan-Jun Aug **Length:** 39 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Prereq:** Degree **Class Cap.:** 30 **Begins:** Jan-Jun Aug **Length:** 15 mos **Awards:** M.S. **$Aid:** Scholarship **Next Survey:** 1980

Academy of Health Sciences
Fort Sam Houston, Texas, 78234
Program Director: Lt. Col. B.R. Landen, PhD
Prereq: Degree **Class Cap.:** 20 **Begins:** Aug **Length:** 16 mos **Tuition:** None **Awards:** MPT Cert. **Next Survey:** 1980
Affiliates: Baylor University, Waco

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Program Director: E.C. Rembe, MA,LPT
Prereq: 3 Yrs Coll **Class Cap.:** 50 **Begins:** Jun **Length:** 14 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** B.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

UTAH

University of Utah
204 Park Bldg.
Salt Lake City, Utah 84112
Program Director: K.G. Allsop, PhD
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $160 Qtr **Awards:** B.S. **Next Survey:** 1981

VERMONT

University of Vermont
302 Rowell Building
Burlington, Vermont 05405
Program Director: S.B. Feitelberg
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 48 mos **Tuition:** $1200 Yr Res $3230 Non-Res **Awards:** B.S. **Next Survey:** 1978

VIRGINIA

Medical College of Virginia/Virginia Commonwealth University
910 West Franklin St.
Richmond, Virginia 23284
Program Director: S. Hirt, MEd, RPT
Prereq: 2 Yrs Coll **Class Cap.:** 36 **Begins:** Sep **Length:** 24 mos **Tuition:** $917 Yr Res $1834 Non-Res **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

WASHINGTON

University of Washington Health Sciences Center
Seattle, Washington 98195
Program Director: J. McMillan, MS
Prereq: 2 Yrs Coll **Class Cap.:** 32 **Begins:** Sep **Length:** 21 mos **Tuition:** $188 Qtr Res$564 Non-Res **Awards:** B.S. **Next Survey:** 1981

WEST VIRGINIA

West Virginia University
1151 Basic Science Bldg., WVU
Morgantown, West Virginia 26506
Program Director: M.R. Barnes, EdD
Prereq: 2 Yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 21 mos **Tuition:** $170 Sem Res$575 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

WISCONSIN

University of Wisconsin-LaCrosse
1725 State St.
LaCrosse, Wisconsin 54601
Program Director: J.S.T. Kung, PhD, RPT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 40 mos **Tuition:** $735 Yr Res $2467 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

The University of Wisconsin-Madison
220 WARF, 610 North Walnut St.
Madison, Wisconsin 53706
Program Director: M.A. Kohli, MEd
Prereq: Univ. **Class Cap.:** 60 **Begins:** Sep **Length:** 40 mos **Tuition:** $367 Sem Res$1342 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980

Marquette University
615 N. 11th Street
Milwaukee, Wisconsin 53233
Program Director: D.J. Gavinski, MPH, RPT
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug **Length:** 36 mos **Tuition:** $1450 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981

Radiation Therapy Technologist

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ARIZONA

Good Samaritan Hospital-Samaritan Health Service
P.O. Box [illegible]989
Phoenix, Arizona 85062
Program Director: R.H. Thoeny, MD
Educational Coordinator: A. Whitaker, RTT
Prereq: M.T. R.T. R.N. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** $45 Sem **Awards:** Cert. A.A.S **Next Survey:** 1981

University of Arizona
Tucson, Arizona 85724
Medical Director: M.R. Manning, MD
Program Director: R.S, Heusinkveld, MD, PhD
Educational Coordinator: J. Conrad, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

CALIFORNIA

St. Joseph Medical Center
Buena Vista & Alameda Sts.
Burbank, California 91505
Medical Director: G.D. Vigario, MD
Program Director: C. Morgan, RT
Prereq: R.T. R.N. B.S. **Class Cap.:** 3 **Begins:** Jun **Length:** 12 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

City of Hope Medical Center
1500 E. Duarte Rd.
Duarte, California 91010
Program Director: M. Jacobs, MD
Educational Coordinator: M.P. Cervantes, RRT
Prereq: R.T. R.N. **Class Cap.:** [illegible] **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Loma Linda University
Loma Linda, California 92350
Program Director: J.M. Slater, MD
Educational Coordinator: T. Hoatson, RTT
Prereq: B.S. R.T. **Class Cap.:** 8 **Begins:** Sep **Length:** 24 mos **Tuition:** $828 Yr **Awards:** Cert **$Aid:** Stipend & Scholarship **Prereq:** R.N. **Length:** 30 mos **Tuition:** $4143 **Awards:** A.S. **Next Survey:** 1980
Affiliates: White Memorial Medical Center, Los Angeles; Loma Linda University Medical Center

Foothill Community College
12345 El Monte Rd.
Los Altos Hills, California 94022
Medical Director: J. Kraut, MD
Program Director: T. McCooey, RTT
Educational Coordinator: C. Hickle, RT(ARRT)
Prereq: H.S. R.T. R.N. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. **Next Survey:** 1979
Affiliates: O'Connor Hosp., San Jose; Palo Alto Medical Clinic, Palo Alto; Sequoia Hosp., Redwood City; Peninsula Hospital, Los Altos Hills

Kaiser-Permanente Hospital
4867 Sunset Blvd.
Los Angeles, California 90027
Program Director: B.J. Coleman, RT(ARRT)
Educational Coordinator: A.R. Kagan, MD
Prereq: H.S. **Class Cap.:** 4 **Begins:** Nov **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Los Angeles County-USC Medical Center
1200 N. State St.
Los Angeles, California 90033
Program Director: H. Meyers, MD
Medical Director: D.P. Anderson, MD
Educational Coordinator: L.W. Winston, RTT
Prereq: R.T. R.N. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

UCLA Center for the Health Sciences
10833 Le Conte Ave.
Los Angeles, California 90024
Medical Director: A.S. Tefler, MD
Program Director: M. Wotenmsker, RTT
Educational Coordinator: B. Hughes, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Radiation Therapy Medical Group, Inc.
6939 Palm Court
Riverside, California 92506
Medical Director: K.W. Zimmerman, MD
Program Director: L. Andon, RT(ARRT)
Educational Coordinator: B. Carsten, RT(ARRT)
Class Cap.: 2 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Sutter Community Hospitals
2820 L St.
Sacramento, California 95816
Program Director: D. A. Deer, MD
Educational Coordinator: S. Saylor, BSRT
Prereq: R.T. B.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

University Hospital of San Diego
225 W. Dickinson St.
San Diego, California 92103
Medical Director: C. Von Essen, MD
Program Director: J. Byfield, MD
Educational Coordinator: B. Brooks, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 3 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

City College of San Francisco
50 Phelan Ave.
San Francisco, California 94112
Program Director: W.E. Hoskins, RT(ARRT)
Educational Coordinator: E. Chan, RT(ARRT)
Medical Director: T.L. Phillips, MD
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 27 mos **Tuition:** None **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: University of California Medical Center; Mount Zion Hospital Medical Center; R.K. Davies Medical Center; St. Mary's Hospital; St. Francis Memorial Hospital; Memorial Hospital, Modesto; N.T. Enloe Hospital, Chico; Alta Bates Hospital, Berkeley; Eden Hospital, Castro Val.; Marin General Hospital, San Rafael; Peralta Hospital, Oakland; Mt. Diablo Hospital, Concord;

Cancer Foundation of Santa Barbara
P.O. Box 837 - 300 W. Pueblo S
Santa Barbara, California 93102
Medical Director: C. Pattillo, MD
Program Director: D.L. Blackwill, RTT
Prereq: R.T. R.N. **Class Cap.:** 1 **Length:** 12 mos **Tuition:** None **Awards:** Cert.

Stanford University Hospital & Clinic
Stanford, California 94305
Medical Director: M.A. Bagshaw, MD
Program Director: J. Lawson, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Los Angeles County-Harbor General Hospital
1000 W. Carson St.
Torrance, California 90509
Program Director: B. Lewinsky, MD
Educational Coordinator: T. Williams, RT(ARRT)
Prereq: R.T. 2 yrs Coll **Class Cap.:** 2 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

COLORADO

Community College of Denver - Auraira Campus
1111 W. Colfax Ave.
Denver, Colorado 80204
Medical Director: F.B. Johnson, MD
Medical Director: D. MaKenberg, MD
Educational Coordinator: B.J. Faubion, RTT
Prereq: R.T. R.N. **Class Cap.:** 18 **Begins:** Sep **Length:** 12 mos **Tuition:** $169 Sem Res$722 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Prereq:** H.S. **Begins:** Sep **Length:** 24 mos **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Penrose Hosp, Colo. Spr.; St. Luke's Hosp; Presby. Med. Ctr.; St. Joseph's Hosp; Porter Mem Hosp; Colo. Gen Hosp; Center; Porter Memorial Hospital

CONNECTICUT

South Central Community College
60 Sargent Dr.
New Haven, Connecticut 06511
Medical Director: J. Fischer, MD
Program Director: H. Silverman, RT(ARRT)
Educational Coordinator: H.J. Gautot, RT(ARRT)
Prereq: H.S. + Exam **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $175 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Yale-New Haven Hospital

WASHINGTON, D.C.

George Washington University, School of Medicine
2300 Eye St., N.W.
Washington, D.C. 20037
Program Director: C.C. Rogers, MD
Educational Coordinator: F. Fender, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 7 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Howard University
Georgia Avenue
Washington, D.C. 20001
Medical Director: U.K. Henscke, MD
Program Director: M.J. Tabron, RT
Prereq: H.S. **Class Cap.:** 33 **Begins:** Aug **Length:** 12 mos **Tuition:** $775 Sem **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Howard University Hosp.; Walter Reed Army Medical Center;Georgetown University Hospital (Minor); Veteran's Hospital (Minor);

FLORIDA

Broward Community College
3601 Johnson St.
Hollywood, Florida 33021
Educational Coordinator: N. Marx, RT(ARRT)
Program Director: K. Monson, MD
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan **Length:** 24 mos **Tuition:** $14 Hr $29 non res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Broward Gen Med Ctr., Ft. Lauderdale; N. Broward Hosp., Pompano Beach; Hollywood Mem Hosp; Holy Cross Hosp; Cedars of Lebanon Broward Hospital; Cedars of Lebanon Health Care Center; Memorial Hospital

GEORGIA

Grady Memorial Hospital
80 Butler St., S.E.
Atlanta, Georgia 30303
Medical Director: T.A. Whitehead, MD
Program Director: N. Phillips, MD
Educational Coordinator: A. Sheron, BS, RTT
Prereq: R.T. B.S. R.N. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Emory University Clinic

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Program Director: C.H. Hall
Medical Director: A.E. Fiveash, MD
Educational Coordinator: F.M. Hamilton, RT(ARRT)
Prereq: R.N. R.T. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $185 Mo **Awards:** Cert. **Next Survey:** 1981

IDAHO

St. Luke's Hospital, LTD. & Mountain States Tumor Institute
190 E. Bannock St.
Boise, Idaho 83702
Program Director: C. Smith, MD
Educational Coordinator: J. Sproat, RTT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

ILLINOIS

Rush Presbyterian-St. Luke's Medical Center
1753 W. Congress Pkwy.
Chicago, Illinois 60612
Medical Director: F.R. Hendrickson, MD
Educational Coordinator: F. Youngwirth, RTT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 27 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Prereq:** H.S. **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: Lutheran General Hosp., Park Ridge; Michael Reese Medical Ctr; Northwestern Memorial Hosp.; Weiss Memorial Hospital Little Company of Mary Hospital, Evergreen Park; Christ Hospital, Oak Lawn; Hinsdale Sanitarium & Hosp., Hinsdale

St. Joseph Hospital
77 N. Airlite St.
Elgin, Illinois 60120
Medical Director: G. Podlusky, MD
Program Director: K.M. Nelson, RTT(ARRT)
Prereq: H.S. **Class Cap.:** 2 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Evanston Hospital
2650 Ridge Ave.
Evanston, Illinois 60201
Medical Director: R.M. Garces, MD
Program Director: J. Bastin, RT(ARRT)
Prereq: R.N. R.T. **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

St. Francis Hospital
355 Ridge Ave.
Evanston, Illinois 60202
Medical Director: H. Forgione, MD
Program Director: D. Campagna, RT
Prereq: R.T. **Class Cap.:** 2 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** No **$Aid:** Stipend
Affiliates: Northwestern Hospital, Chicago;

Edward Hines, Jr., Veterans Administration Hosp.
Fifth Ave. & Roosevelt Rd.
Hines, Illinois 60141
Program Director: S. Stefani, MD
Educational Coordinator: B. Lyke, RT(ARRT)
Prereq: R.T. **Class Cap.:** 4 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Loyola University Medical Center, Maywood; Mt. Sinai Hospital Medical Center, Chicago;

Swedish-American Hospital
1400 Charles St.
Rockford, Illinois 61108
Program Director: T.C. Kline, MD
Educational Coordinator: J.J. Jacobs, RTT
Prereq: R.T. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

INDIANA

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Medical Director: Beng Tek Joe, MD
Educational Coordinator: D.K. Dunn, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

IOWA

University of Iowa Hospitals and Clinics
Iowa City, Iowa 52242
Program Director: H. Latourette, MD
Educational Coordinator: L. Scheidt, RTT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $55 Sem **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

KANSAS

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Medical Director: C.M. Mansfield, MD
Program Director: L.M. Oliver, RTT
Prereq: R.T. R.N. **Class Cap.:** 11 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

KENTUCKY

University of Kentucky Medical Center
#103 Administration Bldg
Lexington, Kentucky 40506
Program Director: Y. Maruyama, MD
Educational Coordinator: J.T. Dismukes, RTT
Educational Coordinator: D. Thompson, MS
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

MARYLAND

J. Hopkins Hosp. and Essex Comm. Coll.
601 North Broadway.
Baltimore, Maryland 21205
Program Director: S. Order, MD
Educational Coordinator: J.M. Digel, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 3 **Begins:** Jul **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

MASSACHUSETTS

Harvard Joint Center for Radiation Therapy
50 Binney St.
Boston, Massachusetts 02115
Program Director: S. Hellman, MD
Educational Coordinator: M.S. Mizer, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 7 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Prereq:** H.S. **Class Cap.:** 7 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Beth Israel Hosp; N.E. Deaconess Hosp.; P.B. Brigham Hosp. Boston Hosp. for Women; S. Farber Cancer Institute;

Springfield Technical Community College
1 Armory Square
Springfield, Massachusetts 01105
Program Director: R.A. Grugan, MD
Educational Coordinator: A. Cochrane
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** $600 **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Baystate Medical Ctr., Wesson Division

MICHIGAN

University of Michigan Medical Center
1405 E. Ann St., Box 45
Ann Arbor, Michigan 48109
Medical Director: J. Fayos, MD
Program Director: C. Colwell, RT(ARRT)
Prereq: R.T. B.S. R.N. **Class Cap.:** 5 **Begins:** Sep **Length:** 12 mos **Tuition:** $200 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Wayne State University
Detroit, Michigan 48202
Program Director: M. Boles, MD
Educational Coordinator: S. Janiec, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 48 mos **Tuition:** $389 Qtr **Awards:** B.S. **Next Survey:** 1979
Affiliates: Detroit Osteopathic Hospital, Highland Park; Harper Hospital; Henry Ford Hospital; Sinai Hospital;

William Beaumont Hospital
3601 West Thirteen Mile Rd.
Royal Oak, Michigan 48072
Program Director: R.J. Bloor, MD
Educational Coordinator: D. Grimm, RTT
Prereq: R.T. R.N. **Class Cap.:** 5 **Begins:** Jun-Jul **Length:** 12 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

MINNESOTA

University of Minnesota Health Sciences Center
432 Morrill
Minneapolis, Minnesota 55455
Program Director: S. Levitt, MD
Educational Coordinator: L. Jergenson, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 5 **Begins:** Jan **Length:** 12 mos **Tuition:** $30 Cr **Awards:** Cert. **Next Survey:** 1979

MISSOURI

Ellis Fischel State Cancer Hospital
115 Business Loop 70 West
Columbia, Missouri 65201
Program Director: N. Canoy, MD
Educational Coordinator: M. Sontag, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $50 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Program Director: R. Abadir, MD
Prereq: R.T. R.N. **Class Cap.:** 3 **Begins:** Jan **Length:** 12 mos **Tuition:** $339 Sem-Res$1014 Non-Res **Awards:** Cert. **Next Survey:** 1979

St. Luke's Hospital of Kansas City
Wornall Road at 44th
Kansas City, Missouri 64111
Program Director: J.L. Rector, MD
Educational Coordinator: C. West, RTT(ARRT)
Prereq: R.T. **Class Cap.:** 2 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Mallinckrodt Institute of Radiology-Washington University
510 S. Kingshoghway Blvd.
St. Louis, Missouri 63110
Program Director: W.B. Mill, MD
Educational Coordinator: B.J. James, RTT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 12 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: St. John's Mercy Hospital; St.Luke's Hospital (East & West); Missouri Baptist Hospital;

NEBRASKA

University of Nebraska College of Medicine
42nd & Dewey Ave.
Omaha, Nebraska 68105
Medical Director: P.Pradeep Kumar, MD
Program Director: J.H. Washburn, MD (Acting)
Educational Coordinator: D. Chadwell, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Jun **Length:** 12 mos **Tuition:** $855 YrRes $2166 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Archbishop Bergan Mercy Hospital; Bishop Clarkson Memorial Hospital; Nebraska Methodist Hospital;

NEVADA

Washoe Medical Center
77 Pringle Way
Reno, Nevada 89520
Medical Director: R.D. Miercort, MD
Educational Coordinator: R. Jetter, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 2 **Begins:** Oct **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

NEW JERSEY

St. Barnabas Medical Center
Old Short Hills Rd.
Livingston, New Jersey 07039
Medical Director: L.J. SanFilippo, MD
Educational Coordinator: S. Ubaldi, RTT
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Monmouth Medical Center
Second Avenue
Long Branch, New Jersey 07740
Program Director: E. Tepper, MD
Educational Coordinator: M. Carmody, RTT
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $400 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Overlook Hospital
193 Morris Ave.
Summit, New Jersey 07901
Medical Advisor: R.C. Cabrera, MD,DABR(RT), MAC
Program Director: C.M. Stimac, RT(ARRT)
Educational Coordinator: C.M. Stimac, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $800 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: United Hospitals of Newark, Newark; Clara Maass Memorial Hospital, Belleville;

NEW YORK

Montefiore Hospital & Medical Center
111 E. 210th St.
Bronx, New York 10467
Program Director: C. Botstein, MD
Educational Coordinator: D. C. Garwin, RTT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Oct **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Erie Community College
Young Rd. & Main St.
Buffalo, New York 14221
Medical Director: R.J.R. Johnson, MD
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $948 Yr **Awards:** A.A.S. **Next Survey:** 1982
Affiliates: Roswell Park Memorial Institute; Buffalo General Hospital; Meyer Memorial Hospital;

Memorial Hospital for Cancer & Allied Diseases
1275 York Avenue
New York, New York 10021
Medical Director: F. Chu, MD
Educational Coordinator: E.M. Snyder, RTT
Prereq: H.S. **Class Cap.:** 14 **Begins:** Oct **Length:** 24 mos **Tuition:** $750 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

State University of New York-Upstate Medical Center
766 Irving Ave.
Syracuse, New York 13210
Program Director: R.H. Sagerman, MD
Educational Coordinator: J.E. O'Brien, DCR, RT
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 24 mos **Tuition:** $1000 Yr Res $1500 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

NORTH CAROLINA

North Carolina Memorial Hospital
Manning Dr.
Chapel Hill, North Carolina 27514
Medical Director: G. Montana
Program Director: N.A. Caughron, RTT
Educational Coordinator: N.A. Caughron, RTT
Prereq: R.T. **Class Cap.:** 5 **Begins:** Aug **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

OHIO

Christ Hospital
2139 Auburn Ave.
Cincinnati, Ohio 45219
Program Director: C. Hollan, RT, BS
Educational Coordinator: C.G. Born, MS
Prereq: R.T. R.N. **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: C.S. University of Cinti Medical Center; Jewish Hospital;

Cleveland Clinic Educational Foundation
9500 Euclid Ave.
Cleveland, Ohio 44106
Medical Director: A.R. Antunez, MD
Program Director: K. Wattenberger, RTT
Educational Coordinator: B. Newland, RRT
Prereq: R.T. R.N. **Class Cap.:** 3 **Begins:** Apr **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

NEORAD Northeast Ohio Radiation Oncology Center
650 South Prospect. Avenue
Hartville, Ohio 44632
Program Director: R.K. Loeffler, MD
Educational Coordinator: D.E. Moody, RT(ARRT)
Prereq: R.T. **Class Cap.:** 7 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Aultman Hospital, Canton; Massillon City Hospital;

OKLAHOMA

University of Oklahoma, Health Sciences Center
801 NE 13th
Oklahoma City, Oklahoma 73190
Medical Director: C. Bogardus, MD
Program Director: C. Sullivan, RT(ARRT)
Prereq: 2 Yrs **Class Cap.:** 7 **Begins:** Aug **Length:** 24 mos **Tuition:** $18 semHr Res $51 semNon Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: University Hospitals & Clinics, Oklahoma City, OK; Shawnee Medical Center, Shawnee, OK;

St. Francis Hospital
6161 S. Yale Ave.
Tulsa, Oklahoma 74136
Program Director: T.J. Brickner, Jr., MD
Educational Coordinator: B. Shoemake, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 9 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Hillcrest Medical Center;

OREGON

University of Oregon Health Sciences Center
3181 S.W. Sam Jackson Park Rd.
Portland, Oregon 97201
Program Director: W.T. Moss, MD
Educational Coordinator: E. Locatel, RTT
Prereq: R.T. R.N. **Class Cap.:** 5 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: St. Vincent's Hospital & Medical Center

PENNSYLVANIA

Geisinger Medical Center
North American Avenue
Danville, Pennsylvania 17821
Medical Director: D.B. Beiler, MD
Program Director: C. Saia, RTT
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Gwynedd Mercy College
Sumneytown Pike
Gwynedd Valley, Pennsylvania 19437
Program Director: E. McCullough, RTT(ARRT)
Medical Director: C.J. Rominger, MD
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep **Length:** 24 mos **Tuition:** $2100 **Awards:** A.S. **$Aid:** Scholarship **Prereq:** R.T. R.N. **Class Cap.:** 24 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Allentown Gen Hosp, Allentown; Thomas Jeff. Univ., Temple Univ. Hosp., Amer. Oncologic Hosp., A. Einstein Med Ctr., Hosp. of U of PA, Med Coll of PA, Philadelphia; Atlantic City Med Ctr., A.C., NJ; Cooper Med Ctr., Camden, NJ; Mercy Cath. Med Ctr., Darby; Lancaster Gen Hosp, Lanc.; York Hosp., York; Wilmington Med Ctr., Wilmington, DE;

Milton S. Hershey Medical Center Hospital
500 University Dr.
Hershey, Pennsylvania 17033
Program Director: J. Stryker, MD
Educational Coordinator: C. Gruver, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1979

Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, Pennsylvania 15212
Medical Director: P. Chopping, MD
Program Director: C. Gombert, RTT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $275 sm **Awards:** A.A.S **Next Survey:** 1981
Affiliates: Montefiore Hospital; Allegheny General Hospital; Presbyterian-University Hospital;

RHODE ISLAND

Rhode Island Hospital
593 Eddy St.
Providence, Rhode Island 02902
Medical Director: A. Glickman, MD
Educational Coordinator: B. Raymond, RTT
Prereq: H.S. **Length:** 12 mos **Tuition:** None **Next Survey:** 1981

TENNESSEE

Baroness Erlanger Hospital
975 E. Third St.
Chattanooga, Tennessee 37411
Medical Director: P.J. Dugan, MD
Program Director: K.S. Scarborough, RH
Prereq: RT,RN **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert.

Baptist Memorial Hospital
899 Madison Ave.
Memphis, Tennessee 38146
Medical Director: W. Bielskis, MD
Program Director: S.B. Collins, RT(ARRT), X,T
Educational Coordinator: R. Welle, RT(ARRT)
Prereq: R.T. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Methodist Hospital
1265 Union Ave.
Memphis, Tennessee 38104
Program Director: T.W. Monaghan, MD
Educational Coordinator: M. Keeler, RT(ARRT)
Prereq: R.T. **Class Cap.:** 3 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Vanderbilt University Medical Center
3200 West End Ave.
Nashville, Tennessee 37232
Program Director: S.L. Stroup, MD
Educational Coordinator: B.L. Flexner, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: St. Thomas Hospital;

TEXAS

Baylor University Medical Center
3500 Gaston Ave.
Dallas, Texas 75246
Medical Director: R. Collier, MD
Program Director: J.P. Kane, RRT
Class Cap.: 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** None

St. Paul Hospital
5909 Harry Hines Blvd.
Dallas, Texas 75235
Program Director: G. Whitley, RTT(ARRT)
Educational Coordinator: D.E. Fuller, MD
Prereq: R.T. **Class Cap.:** 3 **Begins:** Nov **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Radiation & Medical Research Foundation of the Southwest
1425 Enderly Pl., E.
Fort Worth, Texas 76104
Medical Director: C.H. Tseng, MD, FACR
Program Director: M.L.A. Racine, RT(R)(T)
Prereq: R.T. R.N. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Baylor College of Medicine
1200 Moursund Ave.
Houston, Texas 77030
Program Director: P.T. Hudgins, MD
Educational Coordinator: H. Gloystein, RT(ARRT)
Prereq: R.T. **Class Cap.:** 5 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: The Methodist Hospital; V.A. Hospital

Methodist Hospital
3615 19th St.
Lubbock, Texas 79408
Medical Director: C. Votava, Jr., MD
Program Director: A. BURNS, RTT
Prereq: H.S. **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Cancer Therapy & Research Center
4450 Medical Drive
San Antonio, Texas 78229
Medical Director: T. Pomeroy, MD
Program Director: A. Thompson
Educational Coordinator: M. Paris
Prereq: H.S. **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** None **Next Survey:** 1981

UTAH

L.D.S. Hospital
325 Eighth Ave.
Salt Lake City, Utah 84143
Medical Director: H.P. Plenk, MD
Educational Coordinator: R. Elton, RTT
Prereq: 1-2 Yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Utah Medical Center; St. Mark's Hospital; Primary Children's Medical Center;

University of Utah Medical Center
College of Medicine
Salt Lake City, Utah 84132
Medical Director: J.R. Eltringham, MD
Program Director: K. Settles, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Oct **Length:** 12 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1979
Affiliates: LDS Hospital

VERMONT

University of Vermont
302 Rowell Building
Burlington, Vermont 05405
Medical Advisor: T. Roland, MD
Program Director: C.H. Marschke, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $1300 Sem-Res$3200 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Maine Med. Ctr., Portland, ME; Mass. Gen Hosp., Boston, MA; N. England Med. Ctr., Boston; Elliot Hosp., Manchester, NH; M. Hitchcock Memorial Hospital, Hanover, NH; Medical Center Hospital of Vermont;

VIRGINIA

University of Virginia Medical Center
Charlottesville, Virginia 22908
Medical Director: W.C. Constable, MD
Educational Coordinator: F.H. Garrison, RTT
Program Director: D.J. Nichols, RTT
Prereq: R.T. **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** $250 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Medical Center Hospitals
600 Gresham Dr.
Norfolk, Virginia 23507
Medical Director: A. El-Mahdi, MD
Program Director: J.M. Turner, RT(ARRT)
Prereq: R.N. **Class Cap.:** 7 **Begins:** Oct **Length:** 12 mos **Tuition:** $120 **Awards:** Cert. **Next Survey:** 1979

Medical College of Virginia/Virginia Commonwealth University
910 West Franklin St.
Richmond, Virginia 23284
Medical Director: T.A. Hazra, MD
Program Director: E. Chandler, RTT
Prereq: R.T. R.N. B.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Roanoke Memorial Hospital
Belleview at Jefferson St.
Roanoke, Virginia 24009
Medical Director: M. Lougheed, MD
Program Director: M. Korona, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

WASHINGTON

The Swedish Hospital Medical Center
747 Summit Ave.
Seattle, Washington 98104
Program Director: G.G. Hibbs, MD
Educational Coordinator: A. Wilson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Washington Hospital

WEST VIRGINIA

West Virginia University Hospital
1244 University Hospital
Morgantown, West Virginia 26506
Program Director: J.C. Frich, Jr. MD
Educational Coordinator: D. Martin, RTT
Prereq: R.T. R.N. **Class Cap.:** 5 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

WISCONSIN

The University of Wisconsin-Madison
220 WARF, 610 North Walnut St.
Madison, Wisconsin 53706
Program Director: W.L. Caldwell, MD
Educational Coordinator: P. Pollencheck, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 7 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Marshfield Medical Foundation
510 N. St. Joseph Ave.
Marshfield, Wisconsin 54449
Medical Director: R. Greenlaw, MD
Program Director: K. Boyance, RT(ARRT)
Prereq: R.T. **Class Cap.:** 4 **Begins:** Jul **Length:** 12 mos **Tuition:** $75 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: St. Joseph Hospital; Marshfield Clinic

Medical College of Wisconsin
PO Box 26519
Milwaukee, Wisconsin 53226
Program Director: J.D. Cox, MD
Educational Coordinator: S. Barber, RT(ARRT)
Prereq: R.T. R.N. **Class Cap.:** 6 **Begins:** Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Wood V.A. Hospital, Wood; Milwaukee County Medical Complex; West Allis Memorial Hospital, W.A.; Deaconess Hospital;

St. Joseph's Hospital
5000 W. Chambers St.
Milwaukee, Wisconsin 53210
Medical Director: S. Marks, MD
Program Director: P. Whitton, RT(ARRT)
Prereq: R.T. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend
Affiliates: Milwaukee County Gen Hosp; U of Wisc-Madison Hosp.,Madison; Rush-Presb.-St. Luke's Hosp., Chicago; Princess M. Hosp., Toronto

Radiographer

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

Carraway Methodist Medical Center
1615 N. 25th St.
Birmingham, Alabama 35234
Program Director: F.E. Kappen, MD
Educational Coordinator: J. Tortorigi, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan **Length:** 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Jefferson State Junior College
2601 Carson Rd.
Birmingham, Alabama 35215
Medical Director: R.W. Day
Educational Coordinator: H.M. Vaughn, MD
Program Director: J.T. Leesburg, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun-Dec **Length:** 26 mos **Tuition:** $80 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: East End Memorial Hospital; St. Vincent's Hospital; Cooper Green Hospital;

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Medical Director: D.F. Powell, MD
Educational Coordinator: M.P. Hattaway, RT(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Jan-Jul **Length:** 24 mos **Tuition:** $80 Qtr **Awards:** Cert. **$Aid:** Scholarship **Prereq:** H.S. **Begins:** Jan-Jul **Length:** 42 mos **Tuition:** $210 Qtr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Baptist Medical Center-Princeton; Baptist Medical Center-Montclair; V.A. Hospital; University of Alabama Hosp.; Children's Hospital;

Gadsden State Junior College
George Wallace Dr.
Gadsden, Alabama 35903
Medical Director: E.M. Gilbert, MD
Educational Coordinator: E.C. Dortch, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jun **Length:** 28 mos **Tuition:** $80 Qtr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Baptist Memorial Hospital; Holy Name of Jesus Hospital

Wallace State Community College
P.O. Box 250
Hanceville, Alabama 35077
Medical Director: J.R. Dunn, MD
Program Director: J.C. Bailey
Educational Coordinator: J. Phillips, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $600 8 qtrs **Awards:** A.A.S **$Aid:** Scholarship
Affiliates: Cullman Medical Center, Cullman; Doctor's Hospital, Cullman;

Huntsville Hospital
101 Sivley Rd.
Huntsville, Alabama 35801
Medical Director: H.C. May, MD
Program Director: H.C. Ray, MD
Educational Coordinator: P.S. Mays, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

Mobile Infirmary
P.O. Box 2144
Mobile, Alabama 36601
Program Director: J.D. Peake, MD
Educational Coordinator: F.V. Hibberd, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

University of South Alabama
3062 Medical Science Bldg.
Mobile, Alabama 36688
Medical Director: A.E. Robinson, MD
Program Director: C.W. Newell, RT(ARRT)
Educational Coordinator: L. Pope, RT
Prereq: H.S. **Class Cap.:** 30 **Length:** 27 mos **Tuition:** None **Awards:** Cert.
Affiliates: Providence Hospital; Univ. of South Alabama Medical Center

St. Margaret's Hospital
834 Adams Ave.
Montgomery, Alabama 36101
Medical Director: E.M. Mpore, MD
Program Director: J.C. Southern, BSRT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $300 2 Yrs **Awards:** Cert. **Next Survey:** 1978

Druid City Hospital
809 University Blvd., E.
Tuscaloosa, Alabama 35401
Program Director: W.A. Askew,MD
Educational Coordinator: J.S. Dill, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1985

Veterans Administration Medical Center
Tuskegee, Alabama 36083
Program Director: I.O. Brooks, MD
Medical Director: D. Tull, MD
Educational Coordinator: L. Holstick, RT(ARRT)
Prereq: H.S. **Class Cap.:** 9 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: U of A in Birmingham; John Andrew Memorial Hospital; Tuskegee Institute; Alexander City Jr. College

ARIZONA

Northern Arizona University
Box 15045
Flagstaff, Arizona 86001
Program Director: D.Q. Paris, RT(ARRT)
Medical Director: E. T. Clark, MD
Prereq: H.S. **Class Cap.:** 36 **Begins:** Jan **Length:** 39 mos **Tuition:** $250 Sem **Awards:** B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1984
Affiliates: Flagstaff Community Hosp., Phoenix Baptist Hosp., Phoenix; Phoenix General Hosp., Phoenix; Maricopa County General Hospital, Phoenix; Glendale Samaritan Hospital, Phoenix; Scottsdale Memorial Hospital, Scottsdale;

Maricopa Technical Community College
106 E. Washington
Phoenix, Arizona 85004
Medical Advisor: W.R. Kelley, MD
Program Director: A.S. Backus, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $40 Sem **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Desert Samaritan Hosp. & Health Center, Mesa; Good Samaritan Hospital; Maryvale Samaritan Hospital; Mesa Lutheran Hospital; St. Joseph Hospital and Medical Center

Pima Community College
2202 W. Anklam Rd.
Tucson, Arizona 85709
Program Director: L.E. Taylor, MD
Educational Coordinator: H.C. McCommons, RT(ARRT)
Prereq: H.S. **Class Cap.:** 124 **Begins:** Aug **Length:** 30 mos **Tuition:** $60 Sem **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Arizona Health Sciences Center; St. Joseph's Hospital; Tucson General Hospital; Tucson Medical Center; VA Hospital; John C. Lincoln Hospital, Phoenix; Yuma Regional Medical Center, Yuma;

ARKANSAS

Sparks Regional Medical Center
1311 S. Eye St.
Fort Smith, Arkansas 72901
Medical Director: E.A. Mendelsohn, MD
Program Director: E. Frye, RT, Actg
Educational Coordinator: J.F. Price, RT(ARRT)MS
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Holt-Krock Clinic

St. Edward Mercy Medical Center
7301 Rogers Ave.
Fort Smith, Arkansas 72903
Medical Director: P.L. Rogers, MD
Program Director: R.C. Thompson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Baptist Medical Center
9601 Interstate 630
Little Rock, Arkansas 72201
Program Director: H.W. McAdoo, MD
Educational Coordinator: O.H. Copeland, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982

St. Vincent Infirmary
Markham & University Ave.
Little Rock, Arkansas 72201
Program Director: D. Newborn, MD
Educational Coordinator: C. Allred, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

University of Arkansas Medical Sciences
4301 W. Markham
Little Rock, Arkansas 72204
Medical Director: R.M. Tirman, MD
Program Director: J.M. Gardner, BSRT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Aug **Length:** 24 mos **Tuition:** $460 Res $1096 Non-Res **Awards:** B.S. Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: VA Medical Center; Arkansas Children's Hospital, Central Arkansas Radiation Therapy Institute, Inc.

Jefferson Hospital
1515 W. 42nd Ave.
Pine Bluff, Arkansas 71601
Medical Director: M.C. Milligan, MD
Program Director: J. Schrepel, RT
Prereq: H.S. **Class Cap.:** 20 **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

CALIFORNIA

Chaffey Community College
5885 Haven Ave.
Alta Loma, California 91701
Program Director: G. Lockwood, RT(ARRT)
Medical Director: B. Keeling, MD
Educational Coordinator: C. Moore, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Kaiser Foundation Hospital, Fontana; San Antonio Community Hospital, Upland; Riverside Community Hospital, Riverside; Hemut Valley Hospital District, Hemut; Corona Community Hospital, Corona St. Bernardine's Hospital;

Cabrillo College
6500 Soquel Dr.
Aptos, California 95003
Medical Director: J. Snyder, MD
Educational Coordinator: R. Crescini, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Dominican Santa Cruz Hospital, Santa Cruz Community Hospital, Santa Cruz; Watsonville Community Hospital, Watsonville;

Bakersfield College
1801 Panorama Dr.
Bakersfield, California 93305
Medical Director: D. Hance, MD
Educational Coordinator: F.A. Boyce, RT(ARRT)
Prereq: H.S. 1 Yr Coll **Class Cap.:** 54 **Begins:** June **Length:** 27 mos **Tuition:** None **Awards:** A.A. Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Kern Medical Center; Memorial Hospital; Mercy Hospital; San Joaquin Hospital;

St. Joseph Medical Center
Buena Vista & Alameda Sts.
Burbank, California 91505
Program Director: G.M. Campion, MD
Educational Coordinator: K.A. Obley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Oct-Apr **Length:** 24 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Peninsula Hospital & Medical Center
1783 El Camino Real
Burlingame, California 94010
Program Director: M.C. Hill, MD
Educational Coordinator: B.B. Holquist, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 2 Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Orange Coast College
2701 Fairview Rd.
Costa Mesa, California 92626
Medical Director: N. Woodward, MS
Program Director: J. Walker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 110 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Costa Mesa Memorial Hospital; Fountain Valley Community Hospital; Huntington Intercommunity Hospital; Mercy General Hospital, Santa Ana; Mission Community Hospital, Mission Viejo; UCI Medical Center, Orange; Saddleback Hospital, Laguna Hills; San Clemente General Hospital; Santa Ana/Tustin Community Hospital; Tustin Community Hospital;

Cypress College
9200 Valley View St.
Cypress, California 90630
Medical Director: R. Silveria, MD
Program Director: P.J. Baker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 172 **Begins:** Sept **Length:** 30 mos **Tuition:** None **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Anaheim Gen Hosp, Anaheim Mem Hosp, Martin Luther Hosp, Anaheim; Brea Community Hosp, Brea; Downey Comm Hosp, Downey; Placentialinda Comm Hosp, Placentia; Pomona Val Comm Hosp, Pomona; St. Jude Hosp, Fullerton; Canyon Gen Hosp, Anaheim; La Merada Comm Hosp, La Merada; Kaiser Foundation Hosp, Bell Flower; Palm Harbor Gen Hosp, Garden Grove; Whittier Hosp, Whittier;

City of Hope Medical Center
1500 E. Duarte Rd.
Duarte, California 91010
Medical Director: H.L. Gildenhorn, MD
Program Director: C.B. Graves, RT(ARRT)
Educational Coordinator: D.R. Seyler, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Methodist Hospital of Southern Cal.; Foothill Presbyterian Hospital;

General Hospital
2200 Harrison Ave.
Eureka, California 95501
Program Director: N. Todd, MD
Educational Coordinator: R.G. Mills, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Apr-Oct **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

Fresno City College
1101 E. University Ave.
Fresno, California 93741
Medical Director: L. Shishmanian, MD
Medical Director: R. Hendley, MD
Educational Coordinator: S.R. Escobedo, RT(ARRT)
Prereq: H.S. **Class Cap.:** 64 **Begins:** Aug **Length:** 24 mos **Tuition:** $46 Unit Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Fresno Community Hospital; St. Agnes Hospital; Sierra Hospital; VA Hospital; Valley Medical Center; Valley Children's Hospital

Hawthorne Community Hospital
11711 Grevillea Ave.
Hawthorne, California 90250
Program Director: F. Van Zandt, MD
Educational Coordinator: C. Brown, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Daniel Freeman Memorial Hospital
333 N. Prairie Ave.
Inglewood, California 90301
Program Director: S. Heiser, MD
Educational Coordinator: D.P. Donohue, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Centinela Valley Community Hospital

Antelope Valley College
3041 W. Avenue K
Lancaster, California 93534
Medical Director: R. Yoshida
Program Director: J.W. Birsner, MD
Educational Coordinator: S.M. Sato, RT(ARRT)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 33 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Antelope Valley Hospital Medical Center

Loma Linda University
Loma Linda, California 92350
Medical Director: W.L. Stilson, MD
Program Director: A.W. Kroetz, RT(ARRT)
Prereq: 1 Yr Coll **Class Cap.:** 90 **Begins:** Oct **Length:** 30 mos **Tuition:** $4235 **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Loma Linda U Medical Center; White Mem Med Ctr, LA; Glendale Adventist Med Ctr, Glendale

Long Beach City College
4901 E. Carson St.
Long Beach, California 90808
Medical Director: T. Staple, MD
Medical Director: M.O. Drage
Educational Coordinator: F. Goodwin, RT(ARRT)
Prereq: Coll. Req. **Class Cap.:** 74 **Begins:** Jun **Length:** 27 mos **Tuition:** $450 Sem Non-Res **Awards:** A.S. A.A. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Bauer Hospital, St. Mary Medical Center; Long Beach Community Hospital; Memorial Hospital Medical Center; Pacific Hospital of Long Beach; Veterans Administration Hospital of Long Beach;

Foothill Community College
12345 El Monte Rd.
Los Altos Hills, California 94022
Medical Director: H. Seger
Program Director: R. Reid, MD
Educational Coordinator: C.M. Hickle, RT(ARRT)
Prereq: H.S. **Class Cap.:** 132 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship
Affiliates: El Camino Hospital, Mountain View; Palo Alto Medical Clinic, Palo Alto; Alexian Brothers Hospital, San Jose; Santa Clara Valley Medical Center, San Jose; Good Samaritan Hospital, San Jose; Stanford University Hospital,

Childrens Hospital of Los Angeles
4650 Sunset Blvd.
Los Angeles, California 90054
Program Director: J.L. Gwinn, MD
Educational Coordinator: L.A. Eppich, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jun **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1981
Affiliates: Santa Monica Hospital, Santa Monica;

Los Angeles City College
855 N. Vermont Ave.
Los Angeles, California 90029
Medical Director: R. Storrs, MD
Program Director: E. Vasquez, RT(ARRT)
Prereq: H.S. **Class Cap.:** 112 **Begins:** Sep **Length:** 30 mos **Tuition:** None **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Queen of Angels Hospital; Holy Cross Hospital, San Fernando; Hospital of the Good Samaritan; Kaiser Permanente Hospital, Cadillac Avenue Facility; Kaiser Permanente Hospital, Sunset Boulevard Facility; St. Vincent Medical Center;

Los Angeles County-USC Medical Center
1200 N. State St.
Los Angeles, California 90033
Medical Director: D.P. Anderson, MD
Program Director: H. Meyers, MD
Educational Coordinator: L.W. Winston, RTT
Prereq: 2 yrs Coll R.N. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Martin Luther King, Jr. General Hospital
12021 S. Wilmington Ave.
Los Angeles, California 90059
Medical Director: J.A. Campbell, MD
Program Director: V. Fenty, Jr., RT(ARRT)
Prereq: H.S. Coll **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1980

UCLA Center for the Health Sciences
10833 Le Conte Ave.
Los Angeles, California 90024
Medical Director: A. Tefler, MD
Program Director: T.A. Baier, RT(ARRT)
Educational Coordinator: M. Watermaker, RTT
Prereq: 2 yrs Coll **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** $200 Yr **Awards:** Cert. B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: UCLA Medical Center, LA

Veterans Administration-Wadsworth Hospital Center
Wilshire & Sawtelle Blvds.
Los Angeles, California 90073
Program Director: J. Jorgens, MD, PhD
Educational Coordinator: J. Palmer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jan-Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of California, Los Angeles;

St. Francis Medical Center
3630 Imperial Hwy.
Lynwood, California 90262
Program Director: K.H. Kent, MD
Educational Coordinator: J.A. Melanson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Contra Costa County Medical Service
2500 Alhambra Ave.
Martinez, California 94553
Program Director: R. Skor, MD
Program Director: S. Kuperman, MD
Educational Coordinator: M. Della Rosa, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Alta Bates Hospital, Berkeley

Yuba Community College
2088 N. Beale Rd
Marysville, California 95901
Medical Director: E. Orum
Educational Coordinator: R.C. Kreps, MD
Program Director: H.P. Fleming, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Fall **Length:** 37 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Caltle AFB Hosp.,Castle AFB; Doctor's Hosp., Modesto; Los Banos Comm. Hosp., Los Banos; Manteca Hosp. Manteca; Mercy Hosp.; Merced Comm. Med. Hosp.; Scenic Gen'l Hosp., Modesto; Stanislaus Mem. Hosp., Modesto; Bloss Mem. Dist. Hosp., Atwater; Chowchilla Dist. Hosp., Chowchilla; J.C. Freemont Hosp., Mariposa;

Merced College
3600 M St.
Merced, California 95340
Medical Director: R.C. Kreps, MD
Program Director: H.P. Fleming, RT(ARRT)
Prereq: H.S. **Class Cap.:** 54 **Begins:** Fall **Length:** 33 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Merced Community Medical Center; Mercy Hosp.; Doctor's Hosp. of Modesto; U.S. Air Force-Castle AFB; Scenic General Hospital, Modesto; Los Banos Community Hospital, Los Banos; Manteca Hospital, Manteca; Memorial Hosp. Assn. of Stanislaus County, Modesto

California State University, Northridge
18111 Nordhoff St.
Northridge, California 91324
Medical Director: L.W. Bassett, MD
Program Director: J.W. Cleary, MD
Educational Coordinator: T.A. Baler, RT(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1983
Affiliates: CSU Northridge Center for Health Sciences, Los Angeles;

Merritt College
12500 Campus Dr.
Oakland, California 94619
Medical Director: N.J. Tucker
Educational Coordinator: D. Beyer, RT
Prereq: H.S. **Class Cap.:** 56 **Begins:** Feb-Sep **Length:** 33 mos **Tuition:** None **Awards:** A.S. A.A. Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Alta Bates Hosp., Berkeley; Doc's Hosp., San Leandro; Eden Hosp., Castro Val.; Herrick Hosp., Berkeley; J. Muir Hosp., Walnut Creek; Laurel Grove Hosp., Castro Val.; Levine Hosp., Hayward; Peralta Hosp., Oakland; Los Medanos Hosp., Pittsburg; Queen of the Val. Hosp., Napa; St. Rose Hosp., Hayward; Vespers Hosp., San Leandro; US Navy Hosp., Oakland; Vallejo Gen Hosp., Vallejo; Val. Mem. Hosp., Livermore; VA Hosp., Martinez; Highland Gen. Hosp., Oakland;

St. John's Hospital
333 N. F St.
Oxnard, California 93030
Program Director: M.A. Lopiano, MD
Educational Coordinator: D. Juds, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: Cabrillo Radiation Center, Ventura;

Huntington Memorial Hospital
100 Congress St.
Pasadena, California 91105
Program Director: J.S. Lance, MD
Educational Coordinator: F.D.A. Rowe, RT(ARRT)
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Pasadena City College
1570 E. Colorado Blvd.
Pasadena, California 91106
Educational Coordinator: S. Cohen, RT(ARRT)
Medical Director: S.E. Gunstream
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep **Length:** 24 mos **Tuition:** $46 **Awards:** A.A. **Next Survey:** 1980
Affiliates: Burbank Community Hospital, Burbank; Glendora Community Hospital, Glendora; Pasadena Community Hospital; Monrovia Community Hospital, Monrovia; Westside Hospital, LA; Verdigo Hills Hospital, Glendale;

Canada College
4200 Farm Hill Blvd.
Redwood City, California 94601
Medical Director: W. Gaines, MD
Program Director: N.H. Moore, MS, CRT
Prereq: H.S. **Class Cap.:** 72 **Begins:** Sep **Length:** 27 mos **Tuition:** None **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Kaiser Hosp., S. San Francisco; Kaiser Hosp.; Mills Hosp., San Mateo; H.D. Chope Hosp., San Mateo; Sequoia Hosp.

San Bernardino County Medical Center
780 E. Gilbert St.
San Bernardino, California 92404
Program Director: V.S. Kullman, MD
Medical Director: C. Jensen, MD
Educational Coordinator: M. Hunter, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Naval School of Health Sciences
San Diego, California 92134
Medical Director: CDR F.H. Gerber, MC, MD, USN
Program Director: LCDR G.N. Stewart, MSC, USN
Educational Coordinator: HMC R.M. Fisher, USN, CRT, RT
Prereq: H.S. Military **Class Cap.:** 40 **Begins:** Varies **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: George Washington University, Washington, D.C.; Naval Regional Medical Center;

San Diego Mesa College
7250 Mesa College Dr.
San Diego, California 92111
Medical Director: R. Trackler, MD
Program Director: D. Young, RT(ARRT)
Prereq: H.S. **Class Cap.:** 88 **Begins:** Sep **Length:** 33 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Mercy Hospital; Scripps Memorial Hospital; Sharp Memorial Hospital; University Hospital; Veteran's Hospital, La Jolla; Tri City Hospital, Vista;

City College of San Francisco
50 Phelan Ave.
San Francisco, California 94112
Medical Director: S. Hoskins, MD
Program Director: E. Aquilino, RT(ARRT)
Prereq: H.S. **Class Cap.:** 148 **Begins:** Feb-Sep **Length:** 30 mos **Tuition:** $405 Sem Non-Res **Awards:** A.S. **Next Survey:** 1980
Affiliates: St. Joseph's Hospital; Children's Hospital of San Francisco; St. Lukes's Hospital; Mt. Zion Hospital & Medical Center Ralph K. Davies Medical Center; San Francisco General Hospital; VA Hospital; Mt. Diablo Medical Center

O'Connor Hospital
2105 Forest Ave.
San Jose, California 95128
Program Director: P.D. Haggans, CRT
Educational Coordinator: B.A. Hall, CRT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Santa Barbara City College
721 Cliff Dr.
Santa Barbara, California 93109
Medical Director: S. Contlin, RN
Program Director: G.S. Lewis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 76 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Cottage Hospital; Goleta Valley Community Hospital; Santa Barbara General Hospital; St. Francis Hospital; Ventura General Hospital, Ventura; Ventura Community Hospital, Ventura; Santa Barbara Medical Foundation Clinic;

Santa Monica Hospital Medical Center
1225 15th St.
Santa Monica, California 90404
Program Director: S.K. Shearer, MD
Educational Coordinator: M. Sabbagh, RT
Prereq: 2 yrs Coll **Class Cap.:** 22 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Diplo **$Aid:** Stipend **Next Survey:** 1979

Santa Rosa Junior College
1501 Mendocino Ave.
Santa Rosa, California 95401
Medical Director: C. Belden
Program Director: A. Livingston, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep **Length:** 26 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Santa Rosa Memorial Hospital; Community Hospital of Somona County

Veterans Administration Hospital
16111 Plummer St.
Sepulveda, California 91343
Program Director: J.H. Woodruff, MD
Educational Coordinator: S.R. Kelly, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984

San Joaquin General Hospital
Box 1020
Stockton, California 95201
Program Director: A.G. Schmidt, MD
Educational Coordinator: A. Wong, Jr, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: San Joaquin Delta College; St. Joseph's Hospital

El Camino College
16007 Crenshaw
Torrance, California 90506
Medical Director: C.S. Meadows
Educational Coordinator: D. Visintainer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 42 **Begins:** Sep **Length:** 27 mos **Tuition:** $46 Unit Out-Sta **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Little Company of Mary Hospital; Los Angeles County-Harbor General Hospital

Mt. San Antonio College
1100 N. Grand Ave.
Walnut, California 91789
Medical Director: L. Brown, MD
Program Director: Mrs. M.G. Foster, PHN, MEd
Educational Coordinator: F.W. Campana, RT
Prereq: H.S. **Class Cap.:** 132 **Begins:** Jun **Length:** 26 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Beverly Comm. Hosp., Montebello; Comm. Hosp. of San Gabriel, San Gabriel; Doctor's Hosp., Montclair; Foothill Presbyterian Hosp., Glendora; Garfield Hosp., Monterey Pk.; Greater El Monte Comm. Hosp., El Monte; Intercomm. Hosp., Covina; La Habra Comm. Hosp., La Habra; Magan Med. Clinic, Covina; Presbyterian Intercomm., Whittier; Queen of the Val. Hosp., W. Covina San Dimas Comm. Hosp., San Dimas;

CANAL ZONE

Canal Zone College
P.O. Box 3009
Balboa, Canal Zone 00101
Program Director: D.D. Douglas, MD
Educational Coordinator: R. Cruisoe
Educational Coordinator: D.E. Myers, BS, MS
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

COLORADO

Memorial Hospital
1400 E. Boulder St.
Colorado Springs, Colorado 80909
Medical Director: M. Pitman, MD
Educational Coordinator: M. Green, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 2 Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

St. Francis Hospital
800 E. Pikes Peak Ave.
Colorado Springs, Colorado 80906
Program Director: C.W. Partington, MS, MD
Educational Coordinator: Sr. J.F. Siedner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jan-Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Community College of Denver - Auraira Campus
1111 W. Colfax Ave.
Denver, Colorado 80204
Program Director: M.J. Davis
Educational Coordinator: E. Roberts, RT(ARRT)
Prereq: H.S. **Class Cap.:** 190 **Begins:** Sep **Length:** 24 mos **Tuition:** $84 Qtr Res$403 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: General Rose Memorial Hospital; Univ. of Colorado Med. Ctr.; Porter Memorial Hospital; Swedish Hospital, Englewood; Longmont United Hosp., Longmont; Lutheran Hosp. & Med. Ctr., Wheat Ridge; Boulder Community Hosp., Boulder; Denver General Hosp.; Beth Israel Hosp.; St. Luke's Hosp.

Presbyterian Medical Center
1719 E. 19th Ave.
Denver, Colorado 80218
Program Director: W.F. Manke, MD
Educational Coordinator: S.E. Peterson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $250 2 Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

St. Anthony Hospital Systems
4231 W. 16th Ave.
Denver, Colorado 80204
Medical Director: D. Raetz, MD
Educational Coordinator: J.L. Barr, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Jul **Length:** 24 mos **Tuition:** $80 **Awards:** Cert. **Next Survey:** 1983

Mesa College
1045 Lakeside Dr.
Grand Junction, Colorado 81501
Medical Director: A.J. Ward, MD
Program Director: E. Jeter, RT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun **Length:** 24 mos **Tuition:** $520 **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: St. Mary's Hospital; Veteran's Administration Hospital; Montrose Memorial Hospital, Montrose;

Pueblo Vocational Community College
900 West Orman Avenue
Pueblo, Colorado 81004
Medical Director: B.J. Beuty, DDS
Educational Coordinator: C.E. Pearce, RT(ARRT)
Prereq: H.S. **Class Cap.:** 42 **Begins:** Sep **Length:** 24 mos **Tuition:** $33 Cr Hr Res $93 Cr Non-Res **Awards:** A.A.S.Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Parkview Episcopal Hospital; St. Mary Corwin Hospital

CONNECTICUT

Bridgeport Hospital
267 Grant St.
Bridgeport, Connecticut 06602
Program Director: E.G. Bradley, MD
Educational Coordinator: P. Schmitt, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984

St. Vincent's Medical Center
2800 Main St.
Bridgeport, Connecticut 06606
Program Director: R.D. Russo, MD
Educational Coordinator: T. Hine, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Yale University, New Haven;

Bristol Hospital
Brewster Rd.
Bristol, Connecticut 06010
Medical Director: E.F. Fox, MD
Educational Coordinator: L.T. Mitchell, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Newington Children's Hospital, Newington

Danbury Hospital
24 Hospital Ave.
Danbury, Connecticut 06810
Program Director: R. Rottenberg, MD
Educational Coordinator: D.A. Gereg, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $225 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Quinnipiac College
Mount Carmel Ave.
Hamden, Connecticut 06518
Medical Director: S.S. Ketz, MA
Educational Coordinator: S. Gregory, RT(ARRT)MS
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 27 mos **Tuition:** $2950 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Veterans Administration Hospital, West Haven

Hartford Hospital
80 Seymour St.
Hartford, Connecticut 06115
Medical Director: D.A. LoPresti, MD
Program Director: J. Hrycyna, RT(ARRT)
Prereq: H.S. **Class Cap.:** 48 **Begins:** Oct **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Mount Sinai Hospital
500 Blue Hills Ave.
Hartford, Connecticut 06112
Program Director: H. Moskowitz, MD
Educational Coordinator: N.A. Gurry, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **Next Survey:** 1979

St. Francis Hospital and Medical Center
114 Woodland St.
Hartford, Connecticut 06105
Medical Director: E.J. Sennett, MD
Program Director: C.W. Smith, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jul **Length:** 24 mos **Tuition:** $450 2-Yrs **Awards:** Cert. **Next Survey:** 1981

Manchester Memorial Hospital
71 Haynes St.
Manchester, Connecticut 06040
Program Director: D.J. Roberts, Jr, MD
Educational Coordinator: D.J. Mikolowsky, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Nov **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

The Meriden-Wallingford Hospital
181 Cook Ave.
Meriden, Connecticut 06450
Program Director: J. Hennessey, MD
Educational Coordinator: W. Burke, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Newington Children's Hospital, Newington

Middlesex Community College
100 Training Hill Rd.
Middletown, Connecticut 06457
Medical Director: J.U. Rundle
Program Director: W.B. Andrus, MD
Educational Coordinator: E.D. Gianopoulos, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 27 mos **Tuition:** $354 Yr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Middlesex Memorial Hosp.

New Britain General Hospital
100 Grand St.
New Britain, Connecticut 06050
Program Director: H.F. Root, MD
Educational Coordinator: I. Hudson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1982

Hospital of St. Raphael
1450 Chapel St.
New Haven, Connecticut 06511
Program Director: R. Shapiro, MD
Educational Coordinator: J.M. Lynch, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Jun **Length:** 24 mos **Tuition:** $500 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

South Central Community College
60 Sargent Dr.
New Haven, Connecticut 06511
Medical Director: J. Foresi, PhD
Program Director: H. Gautot, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep
Length: 24 mos **Tuition:** $150 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Yale-New Haven Hosp.

Lawrence & Memorial Hospitals
365 Montauk Ave.
New London, Connecticut 06320
Program Director: D. Hayes, MD
Educational Coordinator: D.L. Grajeda, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Phelps Radiation Center, Uncasville

Stamford Hospital
Shelburne Rd. & W. Broad St.
Stamford, Connecticut 06902
Medical Director: R.J. Fleming, MD
Program Director: P.J. McArdle, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 24 mos **Tuition:** $500 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1982

Mattatuck Community College
750 Chase Parkway
Waterbury, Connecticut 06708
Medical Director: C.H. Russell, PhD
Educational Coordinator: C. Patturelli, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 27 mos **Tuition:** $125 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Waterbury Hospital; St. Mary's Hospital

Windham Community Memorial Hospital
112 Mansfield Ave.
Willimantic, Connecticut 06226
Program Director: A.R. Melton, MD
Educational Coordinater: M.K. Patros, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Nov
Length: 24 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1983

DELAWARE

St. Francis Hospital, Inc.
Seventh & Clayton Sts.
Wilmington, Delaware 19805
Program Director: S.W. Lippincott, MD
Educational Coordinator: Sr. E. Hennessy, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 24 mos **Tuition:** Yes **Awards:** Cert.
Next Survey: 1980
Affiliates: Wilmington Medical Center

Wilmington Medical Center
P.O. Box l668
Wilmington, Delaware 19899
Program Director: J.S. Dixon, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jul
Length: 24 mos **Tuition:** $400 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: St. Francis Hospital

WASHINGTON, D.C.

Greater Southeast Community Hospital
1310 Southern Ave., S.E.
Washington, D.C. 20032
Medical Director: L. Wener, MD
Educational Coordinator: B.A. Sherbert, RT(ARRT)
Program Director: B. Geiba, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $200 **Awards:** Cert.
$Aid: Stipend & Scholarship **Next Survey:** 1980
Affiliates: George Washington University Hospital;

University of the District of Columbia
4200 Connecticut Ave., N.W.
Washington, D.C. 20008
Medical Director: A.C. Buck, PhD
Program Director: C.F. Murphy, MD
Educational Coordinator: B.E. Smith, Jr, RT(ARRT)
Prereq: H.S. **Class Cap.:** 54 **Begins:** Sep
Length: 24 mos **Tuition:** $68 SemRes $578 Non-Res **Awards:** A.A.S. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: D.C. Gen. Hosp.; VA Hosp.; W. Reed Gen. Army Med. Ctr.; Children's Hosp.; Group Health Association;

Washington Hospital Center
110 Irving St., N.W.
Washington, D.C. 20010
Medical Director: W.R. Mize, MD
Educational Coordinator: A. McLaughlin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 24 mos **Tuition:** $300 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Children's Hospital

FLORIDA

Manatee Junior College
5840 26th St. West, PO Box 184
Bradenton, Florida 33507
Medical Director: Kermit K. Johnson
Program Director: P.G. Choulas
Educational Coordinator: G.P. Randle, R.T.B.A.
Prereq: H.S. **Class Cap.:** 92 **Begins:** Jun
Length: 24 mos **Tuition:** $130 Term **Awards:** A.S. **Next Survey:** 1978
Affiliates: Manatee Memorial Hosp.; Sarasota Mem. Hosp.; Blake Mem. Hosp.; Doctors Hosp. of Sarasota; Venice Hosp.

Morton F. Plant Hospital
323 Jeffords St.-PO Box 210
Clearwater, Florida 33517
Medical Director: A. Schick, MD
Program Director: R.L. Welch, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 24 mos **Tuition:** $250 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: All Childrens Hospital, St. Petersburg

Brevard Community College
1519 Clearlake Rd.
Cocoa, Florida 32922
Educational Coordinator: G.L. Tomaszewski, RT(ARRT)
Medical Director: J. Keller
Prereq: H.S. **Class Cap.:** 58 **Begins:** Jun
Length: 24 mos **Tuition:** $600 Yr **Awards:** A.S. **Next Survey:** 1980
Affiliates: Cape Canaveral Hospital, Cocoa Beach; Holmes Regional Medical Center, Melbourne; J. Parrish Memorial Hospital, Titusville; Wuesthoff Memorial Hospital, Rockledge;

Halifax Hospital Medical Center
303 N. Clyde Morris Blvd.
Daytona Beach, Florida 32015
Program Director: H.D. Kerman, MD
Educational Coordinator: L.O. Hinkle, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Jan
Length: 30 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Daytona Beach Community College

Broward Community College
225 E. Las Olas Blvd.
Fort Lauderdale, Florida 33301
Medical Director: R.E. Parks
Program Director: S. Frazier
Educational Coordinator: J.E. Hutlas Jr., RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug
Length: 28 mos **Tuition:** $14 Cr Hr Res $29 Non-Res **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Broward General Med. Ctr.; Memorial Hosp., Hollywood; Plantation North Broward Hospital, Broward; University Community Hosp., Tamarac; Northridge Hosp., Hollywood

Lee Memorial Hospital
2776 Cleveland Ave.
Fort Myers, Florida 33902
Medical Director: R.E. Gerson, MD
Educational Coordinator: V.J. Downing, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert
$Aid: Stipend **Next Survey:** 1978

Indian River Community College
3209 Virginia Ave.
Fort Pierce, Florida 33450
Medical Director: G. Theodorou, MD
Medical Director: F.L. Hammett, RN
Medical Director: A.L. Le Duc, MD
Educational Coordinator: M.L. Rouse, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug
Length: 24 mos **Tuition:** $125 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Ft. Pierce Memorial Hospital; Indian River Memorial Hospital, Vero Beach; Martin Memorial Hospital, Stuart

Santa Fe Community College
3000 N.W. 83rd St.
Gainesville, Florida 32601
Medical Director: A.P. Duke
Educational Coordinator: R.A. Short, RT(ARRT)
Prereq: H.S. **Class Cap.:** 68 **Begins:** Jul
Length: 24 mos **Tuition:** $14 Cr Hr Res $29 Non-Res **Awards:** A.S. Cert. **$Aid:** Stipend
Next Survey: 1980
Affiliates: North Florida Regional Hosp.; University of Florida Hospital; Alachua General Hospital; Veterans Administration Hospital

Baptist Memorial Hospital
800 Prudential Dr.
Jacksonville, Florida 32207
Medical Director: D.W. Brooks, MD
Program Director: W.R. Hutchinson, MD
Educational Coordinator: M. Henderson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Luke's Hospital
1900 Boulevard
Jacksonville, Florida 32206
Program Director: H.B. Mc Euen, Jr, MD
Program Director: E.G. Mc Kay, MD
Educational Coordinator: B.D. Schurger, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Vincent's Medical Center
1800 Barrs St.
Jacksonville, Florida 32204
Program Director: M.V. Mc Clow, MD
Educational Coordinator: R.J. Perkins, RT(ARRT)
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

University Hospital of Jacksonville
655 W. Eighth St.
Jacksonville, Florida 32209
Medical Director: H.M. Northup, MD
Program Director: C. Mitchell, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Lakeland General Hospital
1400 Lakeland Hills Blvd.
Lakeland, Florida 33802
Program Director: R.E. Williams, MD
Educational Coordinator: B.V. Spand, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Oct
Length: 24 mos **Tuition:** $100 2-Yrs **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Watson Clinic;

University of Miami School of Medicine
1611 N.W. 12th Ave.
Miami, Florida 33136
Medical Director: C. Poole, MD
Educational Coordinator: M.C. Lama, A.S., RTR(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep
Length: 24 mos **Tuition:** $50 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1978
Affiliates: University of Miami School of Medicine

Miami-Dade Community College
11011 S.W. 104th St.
Miami Beach, Florida 33176
Educational Coordinator: S. Growick, RT(ARRT)
Prereq: H.S. **Class Cap.:** 172 **Begins:** Jun **Length:** 24 mos **Tuition:** $14 Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Biscayne Medical Center, Miami; Cedars of Lebanon Hlth Care Center, Miami; Mercy Hospital, Miami; North Miami General Hospital, N. Miami; North Shore Hospital, Miami; Palmetto General Hospital, Hialeah; Parkway General Hospital;

Mt. Sinai Medical Center
4300 Alton Rd.
Miami Beach, Florida 33140
Program Director: M. Viamonte, Jr. MD
Educational Coordinator: P. Balang, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 2 Yrs **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Munroe Memorial Hospital
131 S.W. 15th St.
Ocala, Florida 32670
Medical Director: A. Goulard, Jr., MD
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $120 Yr **Awards:** Cert.
Affiliates: Marion Community Hospital; Munroe Memorial Hospital; Govland & West Assoc. PA;

Florida Hospital
601 E. Rollins
Orlando, Florida 32803
Medical Director: C.D. Bidwell
Program Director: L.H. Johnston, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Florida Technological University
Alafaya Trail PO Box 25000
Orlando, Florida 32816
Program Director: M.J. Geren, RT(ARRT)
Medical Director: H. Kerman, MD
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 48 mos **Tuition:** $17 Cr Res $52 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Halifax Hospital Med. Ctr., Daytona Beach

Florida Technological University
Alafaya Trail PO Box 25000
Orlando, Florida 32816
Program Director: M.J. Geren, RT(ARRT)
Medical Director: H. Kerman, MD
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 48 mos **Tuition:** $15-17 Cr Res $38-52 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Halifax Hospital Med. Ctr., Daytona Beach

Orlando Regional Medical Center
1414 S. Kuhl Ave.
Orlando, Florida 32806
Medical Director: E.H. Eliscu, MD
Program Director: C.A. Hellhake, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Sacred Heart Hospital
5151 N. Ninth Ave.
Pensacola, Florida 32504
Program Director: J. Gould, MD
Educational Coordinator: F.M. Fulton, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Medical Center Clinic

West Florida Medical Center Clinic
8383 N. Davis Hwy.
Pensacola, Florida 32504
Medical Director: N. Arenson, MD
Program Director: R.J. Harriman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Seminole Memorial Hospital
1101 E. First St.
Sanford, Florida 32771
Program Director: J.T. Johnson, MD
Program Director: C.S. Dexter, MD
Educational Coordinator: J. Guy, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Lucerne General Hospital, Orlando;

Bayfront Medical Center, Inc.
701 Sixth St., S.
St. Petersburg, Florida 33701
Program Director: R.M. Hoffman, MD
Educational Coordinator: L.W. Brashears, BS, RT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: All Children's Hospital; Apollo Hospital;

Tallahassee Community College
444 Appleyard Drive
Tallahassee, Florida 32304
Medical Director: H.W. Crews
Program Director: P.T. Sewell, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Aug **Length:** 24 mos **Tuition:** $11 Sem Hr **Awards:** A.A.S. **Next Survey:** 1980
Affiliates: Tallahassee Memorial Regional Medical Center;

Hillsborough Community College
P.O. Box 22127
Tampa, Florida 33622
Medical Director: W.R. Tripp
Educational Coordinator: J.N. Ehringer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 66 **Begins:** Sep **Length:** 24 mos **Tuition:** $12 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: VA Hospital; Tampa Gen. Hospital; University Comm. Hospital; Women's Hospital; Hillsborough County Hospital;

St. Joseph's Hospital
3001 W. Buffalo Ave.
Tampa, Florida 33607
Program Director: A.J. Ferris, MD
Educational Coordinator: M.L. Litwiller, RT(ARRT)
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

St. Mary's Hospital
900 49th St.
West Palm Beach, Florida 33407
Medical Director: W.B. Miller, MD
Educational Coordinator: A. Wittlin, DDS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $125 **Awards:** Cert. **Next Survey:** 1982

Winter Park Memorial Hospital
200 N. Lakemont Ave.
Winter Park, Florida 32789
Program Director: T.L. March, MD
Educational Coordinator: T.C. Gwinn, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

GEORGIA

Phoebe Putney Memorial Hospital
417 Third Ave.
Albany, Georgia 31702
Program Director: R. L. McKinney, MD
Educational Coordinator: D.R. Fraser, RT
Prereq: H.S. **Class Cap.:** 9 **Begins:** Jul **Length:** 24 mos **Tuition:** $120 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Crawford W. Long Memorial Hospital
35 Linden Ave., N.E.
Atlanta, Georgia 30308
Medical Director: P.A. Lavietes, MD
Program Director: B. Neuhaus, RT(ARRT)
Educational Coordinator: B.N. Martin, RT
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Emory University
Atlanta, Georgia 30322
Medical Director: R.L. Colvin, MD
Program Director: R.J. Taylor, RT(ARRT)
Prereq: H.S. **Class Cap.:** 19 **Begins:** Summer **Length:** 30 mos **Tuition:** $1200 Qtr **Awards:** A.M.Sc **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Grady Memorial Hospital; Emory University Hospital

Georgia Baptist Hospital
300 Boulevard, N.E.
Atlanta, Georgia 30312
Medical Director: E.W. Donnelly, MD
Program Director: D. Ley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $325 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Piedmont Hospital, Inc.
1968 Peachtree Rd., N.W.
Atlanta, Georgia 30309
Program Director: J.H. Milsap, Jr, MD
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep **Length:** 24 mos **Tuition:** $125 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Medical Director: R.C. Bard, PhD
Program Director: C.H. Hall, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** $185 Qtr Res$502 Non-Res **Awards:** A.S. **$Aid:** Scholarship
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 48 mos **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University Hospital; St. Joseph's Hospital; Veteran's Administration Hospital; Doctor's Hospital;

Brunswick Junior College
Altama at Fourth
Brunswick, Georgia 31520
Program Director: L. Holloway, MEd
Educational Coordinator: D.T. Castor, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $116 Qtr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Glynn Brunswick Memorial Hospital

Medical Center
710 Center St.
Columbus, Georgia 31902
Medical Director: J.H. Deaton, MD
Program Director: R. Montgomery, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: St. Francis Hospital;

Hamilton Memorial Hospital
P.O. Box 1168
Dalton, Georgia 30720
Medical Director: H.U. Martin, MD
Educational Coordinator: C.P. Joe, BS, RT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984

De Kalb General Hospital
2701 N. Decatur Rd.
Decatur, Georgia 30030
Medical Director: C.M. Kerley, MD
Educational Coordinator: C.S. Yensen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $50 2 Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Henrietta Egleston Hospital for Children, Atlanta;

Griffin-Spalding County Hospital
South Eighth St.
Griffin, Georgia 30223
Medical Director: R.J. Caswell, II, MD
Program Director: P.G. Walker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Gordon Junior College, Barnesville; Clayton General Hospital, Riverdale;

West Georgia Medical Center
1514 Vernon Rd.
LaGrange, Georgia 30240
Educational Coordinator: J.T. Mitchell, MD
Educational Coordinator: S. Hood, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Nov
Length: 24 mos **Tuition:** $300 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1979

Medical Center of Central Georgia
777 Hemlock St., P.O. Box 6000
Macon, Georgia 31206
Program Director: W.H. Somers, MD
Educational Coordinator: B.J. Brown, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan-Jul
Length: 24 mos **Tuition:** $100 **Awards:** Cert.
$Aid: Stipend & Scholarship **Next Survey:** 1980

Kennestone Hospital
677 Church St.
Marietta, Georgia 30060
Medical Director: W.H. Mathis, Jr, MD
Educational Coordinator: M. Cochran, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984

Baldwin County Hospital
1957 N. Cobb St.
Milledgeville, Georgia 31061
Medical Director: W.E. Baugh, MD
Educational Coordinator: R. Coleman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Floyd Medical Center
Turner Mc Call Blvd.
Rome, Georgia 30161
Medical Director: L.S. Smith, MD
Educational Coordinator: M. Morris, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Candler General Hospital, Inc.
P.O. Box 9787
Savannah, Georgia 31412
Program Director: G.C. Carson, MD
Educational Coordinator: L. Tinker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul
Length: 24 mos **Tuition:** $150 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1980
Affiliates: Memorial Medical Center

Memorial Medical Center
4700 Waters Avenue
Savannah, Georgia 31404
Program Director: B.D. Goodwin, MD
Educational Coordinator: E.L. Voaklander, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul
Length: 24 mos **Tuition:** $200 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Valdosta Area Vocational-Technical School
Rt. 1, Box 202
Valdosta, Georgia 31601
Medical Director: O.E. Peacock
Educational Coordinator: L.L. Booth
Prereq: H.S. **Class Cap.:** 26 **Begins:** Jul
Length: 24 mos **Tuition:** $30 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: South Georgia Medical Center; Tifton General Hospital, Tifton; Radiology Associates;

Waycross Memorial Hospital
410 Darling Ave.
Waycross, Georgia 31501
Medical Director: R.C. Smith, MD
Program Director: O.M. Pinckard, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 24 mos **Tuition:** $200 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1980
Affiliates: Waycross-Ware Tech Area Vocational School;

HAWAII

Kapiolani Community College
620 Pensacola St.
Honolulu, Hawaii 96814
Medical Director: R.N. Di Mauro, MD
Educational Coordinator: R.W. Clements, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Aug
Length: 24 mos **Tuition:** $40 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Kaiser Medical Foundation; St. Francis Hospital; Straub Clinic and Hospital; Queens Medical Center; Kuakini Medical Center

IDAHO

Boise State University
1910 University Dr.
Boise, Idaho 83725
Medical Director: V.H. Duke
Program Director: D. Akroyd, RT(ARRT)
Prereq: 1 Yr Coll **Class Cap.:** 60 **Begins:** Jun **Length:** 24 mos **Tuition:** $220 Sem
Awards: A.S. B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Alphonsus Hospital; Caldwell Hospital, Caldwell; Mercy Medical Center, Nampa; St. Luke's Hospital; VA Hospital;

Idaho State University
741 S. 7 Street
Pocatello, Idaho 83209
Medical Director: P.D. Leiby, PhD
Program Director: L.L. Stalley, MEd.
Educational Coordinator: R.L. Deis, BS, RT
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep
Length: 36 mos **Tuition:** $410 Res $1260 Non-Res **Awards:** A.S. **$Aid:** Scholarship
Length: 48 mos **Awards:** B.S. **Next Survey:** 1979
Affiliates: St. Anthony Community Hospital; Bannock Memorial Hospital; Riverview Hospital, Idaho Falls;

ILLINOIS

Northwest Community Hospital
800 West Central Rd.
Arlington Heights, Illinois 60005
Medical Director: C.S. Soter, MD
Educational Coordinator: M.M. Wusocki, BS, RT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Belleville Area College
2500 Carlyle Rd.
Belleville, Illinois 62221
Medical Director: L.A. Reibling, PhD
Educational Coordinator: B.R. Vallino, RT(ARRT)
Prereq: H.S. **Class Cap.:** 80 **Begins:** Aug
Length: 24 mos **Tuition:** $13 Cr Hr Res $35 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: St. Elizabeth's Hospital; Belleville Memorial Hospital; St. Elizabeth's Hospital, Granite City; St. Mary's Hospital, East St. Louis; Centreville Township Hospital, East St. Louis; Oliver C. Anderson Memorial Hospital, Maryville,

St. Mary's Hospital
400 N. Pleasant Ave.
Centralia, Illinois 62801
Medical Director: M.K. Edelman, MD
Educational Coordinator: B. Dunbar, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1980

Parkland College
2400 West Bradley Avenue
Champaign, Illinois 61820
Medical Director: F.R. Owens, MD
Educational Coordinator: T.B. Wagner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep
Length: 24 mos **Tuition:** $17 Sem Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Burnham City Hospital; Carle Foundation Hospital, Urbana; Mercy Hospital, Urbana

Central YMCA Community College
211 W. Wacker Dr.
Chicago, Illinois 60606
Medical Director: E. Long
Program Director: B. Hunt, RT(ARRT)
Educational Coordinator: B. Hunt, RT(ARRT)
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep
Length: 24 mos **Tuition:** $55 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Frank Cuneo Hospital; Illinois Central Community Hospital; Rossevelt Memorial Hospital; Mt. Sinai Medical Center; Walther Memorial Hospital; Children's Memorial Hospital; Columbus Hospital;

Cook County Hospital
1825 W. Harrison St.
Chicago, Illinois 60612
Program Director: V. Harris, MD
Educational Coordinator: A. Velasco, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Jul
Length: 24 mos **Tuition:** $500 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1978

De Paul University
25 E. Jackson Blvd.
Chicago, Illinois 60604
Medical Director: J.P. Masterson, MD
Educational Coordinator: J. Hostick, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 48 mos **Tuition:** $872 Qtr **Awards:** B.S. **Next Survey:** 1980
Affiliates: Grant Hospital of Chicago; Loyola - McGraw Medical Center, Maywood;

Henrotin Hospital
111 W. Oak St.
Chicago, Illinois 60610
Medical Director: W.J. Heiser, MD
Educational Coordinator: T. Graefen, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Children's Memorial Hospital; Grant Hospital; Columbus Hospital;

Illinois Masonic Medical Center
836 W. Wellington Ave.
Chicago, Illinois 60657
Medical Director: R.A. Schmidt, MD
Educational Coordinator: A. D'Stetin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Louis A. Weiss Memorial Hospital
4646 N. Marine Dr.
Chicago, Illinois 60640
Medical Director: L.B. Bokrow, MD
Educational Coordinator: D. Rubin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Malcolm X College
1900 W. Van Buren St.
Chicago, Illinois 60612
Medical Director: E.M. Horne
Program Director: V.A. Irvin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 164 **Begins:** Aug
Length: 27 mos **Tuition:** $11 Sem Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Cook County Hospital; Lakeside V.A. Hospital; Westside V.A. Hospital; St. Bernard Hospital;

Michael Reese Hospital & Medical Center
2900 S. Ellis Ave.
Chicago, Illinois 60616
Medical Director: B. Levin, MD
Educational Coordinator: K. Goga, BS, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Provident Hospital & Training School
426 E. 51st St.
Chicago, Illinois 60615
Medical Director: W.B. Quinn, MD
Educational Coordinator: M. Jackson Jr., RT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Ravenswood Hospital Medical Center
4550 N. Winchester Ave.
Chicago, Illinois 60640
Medical Director: N.L. Poteshman, MD
Educational Coordinator: P. George, RTR
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: St. Joseph Hospital; Children's Memorial Hospital;

South Chicago Community Hospital
2320 E. 93rd St.
Chicago, Illinois 60617
Medical Director: S.C. Samowitz, MD
Educational Coordinator: M.J. Dwyan, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** $300 Yr **Awards:** Cert. **Next Survey:** 1982
Affiliates: Ingall's Memorial Hospital, Harvey;

St. Anne's Hospital
4950 W. Thomas St.
Chicago, Illinois 60651
Medical Director: J. Keiffer, MD
Educational Coordinator: T.K. Smith, RT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $450 **Awards:** Cert. **Next Survey:** 1984

St. Joseph Hospital
2900 N. Lake Shore Dr.
Chicago, Illinois 60657
Medical Director: R.J. Borgerson, MD
Educational Coordinator: B. Woolsey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Mary of Nazareth Hospital Center
2233 West Division
Chicago, Illinois 60622
Medical Director: D.C. Wharton, MD
Educational Coordinator: T. Hall, RT
Prereq: H.S. **Class Cap.:** 150 **Begins:** Sep **Length:** 31 mos **Tuition:** $11 Hr $150 Fee **Awards:** A.A. A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bethany Methodist Hospital; Loretto Hospital; Mercy Hospital & Medical Center; Northwestern Memorial Hospital; Norwegian American Hospital; Wright City College;

University of Illinois Hospital
840 South Wood Street
Chicago, Illinois 60612
Medical Director: V. Capek, MD
Program Director: M.K. Carson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 2-yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Northwestern University Medical Center (Children's Memorial Hospital); Illinois State Psychiatric Institute;

Wright Junior College
3400 N. Austin
Chicago, Illinois 60634
Medical Director: D. Wharton, MD
Educational Coordinator: D. King, RT(ARRT)
Prereq: H.S. **Class Cap.:** 150 **Begins:** Sep **Length:** 31 mos **Tuition:** $11 Hr $150 Fee **Awards:** A.A. A.A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Mary of Nazareth Hospital Center; Mercy Hospital & Medical Center; Norwegian American Hospital; Bethany Methodist Hospital; Loretto Hospital; Northwestern Memorial Hospital;

LakeView Medical Center
812 N. Logan Ave.
Danville, Illinois 61832
Program Director: H.C. Gorman, MD
Educational Coordinator: P.G. Boyum, BSRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Decatur Memorial Hospital
2300 N. Edward St.
Decatur, Illinois 62526
Medical Director: R.E. Kinzer, MD
Educational Coordinator: S.B. Janes, RTR(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $350 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Sauk Valley College
R. #1
Dixon, Illinois 61021
Medical Director: R.F. Williams
Educational Coordinator: S. Shippert, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Aug **Length:** 24 mos **Tuition:** $18 Cr Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Community General Hospital, Sterling; St. Margaret's Hospital, Spring Valley; Katherine Shaw Bethea Hospital; Mendota Community Hospital, Mendota;

Illinois Central College
Health-Math-Science Division
East Peoria, Illinois 61635
Medical Director: M. Svob, PhD
Educational Coordinator: D.L. Schulz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Aug **Length:** 24 mos **Tuition:** $12 Cr Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Pekin Memorial Hospital, Pekin; Methodist Medical Center, Peoria; Proctor Community Hospital, Peoria;

St. Joseph Hospital
77 N. Airlite St.
Elgin, Illinois 60120
Medical Director: G.L. Podlusky, MD
Educational Coordinator: J. Szymanski, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

St. Francis Hospital
355 Ridge Ave.
Evanston, Illinois 60202
Medical Director: R.L. Del Fava, MD
Educational Coordinator: M.L. Hodge, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Carl Sandburg College
2232 South Lake Storey Rd.
Galesburg, Illinois 61401
Medical Director: W. Anderson, PhD
Educational Coordinator: E. Long, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 24 mos **Tuition:** $8 Hr **Awards:** A.A.S **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Galesburg Cottage Hospital; St. Mary's Hospital; Community Memorial Hospital, Monmouth; Galesburg Mental Health Center;

College of Du Page
Glen Ellyn, Illinois 60137
Medical Director: R.W. Wood
Educational Coordinator: P. LaJicina, RT(ARRT)
Prereq: H.S. **Class Cap.:** 178 **Begins:** Sep **Length:** 24 mos **Tuition:** $13 Cr Hr **Awards:** A.A. A.A.S Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Mem. Hosp. of DuPage County, Elmhurst; Comm. Mem. Gen. Hosp.,LaGrange; Edward Hosp., Naperville; Mercy Center for Hlth Care Services, Aurora; Delnor Hosp.,St. Charles; Central DuPage Hosp., Winfield; Sub. Hosp. of Cook Cty., Hinsdale; Silver Cross Hosp. of Joliet; St Joseph Hosp. of Joliet; Comm. Hosp., Geneva; Copley Hosp., Aurora; Sherman Hosp., Elgin

College of Lake County
19351 W. Washington St.
Grayslake, Illinois 60030
Medical Director: R.E. Dear
Program Director: J. Jackson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 19 **Begins:** Jun **Length:** 25 mos **Tuition:** $15 Sem Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Highland Park Hospital, Highland Park; Lake Forest Hospital, Lake Forest; Condell Memorial Hospital, Libertyville Veteran's Administration Hospital, North Chicago;

Hinsdale Sanitarium & Hospital
120 N. Oak St.
Hinsdale, Illinois 60521
Program Director: L.E. Durham, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $600 1 Yr **Awards:** Cert. **Next Survey:** 1979

Kankakee Community College
Box 888
Kankakee, Illinois 60901
Medical Director: L. Huffman, MD
Educational Coordinator: E. Viglia, Jr, RT(ARRT)
Prereq: H.S. GED **Class Cap.:** 24 **Begins:** Jun **Length:** 24 mos **Tuition:** $12 SemHr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Mary's Hospital; Riverside Medical Center; Manteno State Hospital, Manteno

Kewanee Public Hospital
719 Elliott St.
Kewanee, Illinois 61443
Program Director: P.D. Binder, MD
Educational Coordinator: L.H. Tomlinson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jun-Dec **Length:** 24 mos **Tuition:** $300 2-Yrs **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Methodist Medical Center, Peoria; Lutheran Hospital, Moline;

Mc Donough District Hospital
525 E. Grant St.
Macomb, Illinois 61455
Program Director: L.E. Adams, MD
Educational Coordinator: R.L. Hart, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Varies **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Moline Public Hospital, Moline;

Kishwaukee College
Malta, Illinois 60150
Medical Director: N. Jenkins, MD
Program Director: D.P. Higgs
Educational Coordinator: R. Canova, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jun **Length:** 30 mos **Tuition:** $12 Cr Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Anthony Hospital, Rockford; Kishwaukee Community Hospital, DeKalb; Rochelle Community Hospital, Rochelle; Sycamore Municipal Hospital, Sycamore; Sandwich Community Hospital, Sandwich; DeKalb County Orthopedic Clinic, DeKalb; St. Joseph's Hospital, Belvidere; Highland Hospital, Belvidere;

Lutheran Hospital
501 Tenth Ave.
Moline, Illinois 61265
Program Director: J.C. Rathe, MD
Educational Coordinator: W.J. Callaway, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $10 Month **Awards:** Cert. **Next Survey:** 1980
Affiliates: Black Hawk College, Moline

Moline Public Hospital
635 Tenth Ave.
Moline, Illinois 61265
Program Director: W. Hartung, MD
Educational Coordinator: D.J. Krutz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** $25 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Black Hawk College; Dr.'s Bayne, Spires & Thatcher (Oral Surgeons)

Oakton Community College
7900 N. Nagle
Morton Grove, Illinois 60053
Medical Director: K.F. Arns
Educational Coordinator: D.L. Rodgers, RT(ARRT)
Program Director: C. Bowman, RT
Prereq: H.S. **Class Cap.:** 72 **Begins:** Jun **Length:** 24 mos **Tuition:** $12 Cr Hr Res $50 Non Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Evanston Hospital, Evanston; Lutheran General Hospital, Park Ridge; Skokie Valley Community Hospital, Skokie;

Brokaw Hospital
Virginia & Franklin Ave.
Normal, Illinois 61761
Medical Director: C.F. Melchor, Jr, MD
Program Director: J.A. Wood, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 2 Yrs **Awards:** Cert. **Next Survey:** 1978
Affiliates: Mennonite Hospital, Bloomington; St. Joseph's Hospital/Medical Center, Bloomington;

Richland Memorial Hospital
800 E. Locust St.
Olney, Illinois 62450
Program Director: E.V. Bouffard, III, MD
Educational Coordinator: D.L. Brunson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Moraine Valley Community College
10900 S. 88 Ave.
Palos Hills, Illinois 60465
Medical Director: J. Crawley
Educational Coordinator: M.B. Arthur, RT(ARRT)
Prereq: H.S. **Class Cap.:** 100 **Begins:** Aug **Length:** 24 mos **Tuition:** $12 Cr Hr Res $50 Hr Non Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Holy Cross Hospital, Chicago; Little Company of Mary Hospital, Evergreen Park; Palos Community Hospital, Palos Heights; Christ Hospital, Oaklawn; Central Community Hospital, Chicago;

St. Francis Hospital-Medical Center
530 N.E. Glen Oak
Peoria, Illinois 61637
Medical Director: D.F. Anderson, MD
Educational Coordinator: M. Boergadine, RTR
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jun **Length:** 24 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Blessing Hospital
1005 Broadway St.
Quincy, Illinois 62301
Program Director: G. Crickard, MD
Educational Coordinator: E.E. Elisson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

St. Mary Hospital
1415 Vermont St.
Quincy, Illinois 62301
Program Director: G.H. Evertman, Jr, MD
Educational Coordinator: R.J. Hopkins, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Quincy College

Triton College
2000 N. Fifth Ave.
River Grove, Illinois 60171
Medical Director: U. Dankers, MD
Educational Coordinator: J. Peterson
Prereq: H.S. **Class Cap.:** 121 **Begins:** Aug **Length:** 28 mos **Tuition:** $13 Sem Hr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Mac Neal Memorial Hospital, Berwyn; Resurrection Hospital, Chicago; Westlake Community Hospital, Melrose Park; Alexian Brothers Medical Center, Elk Grove Village; Hines Veteran's Administration, Hines; McGraw Hospital, Maywood; LaGrange Memorial Hospital, LaGrange; Gottlieb Memorial Hospital, Melrose Pk.;

Rock Island Franciscan Hospital
2701 17th St.
Rock Island, Illinois 61201
Medical Director: G.H. Burke, MD
Program Director: S. Johnson, RT(ARRT)
Educational Coordinator: T.Penning,M.Ed.,RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Black Hawk College, Moline;

Rockford Memorial Hospital
2400 N. Rockton Ave.
Rockford, Illinois 61101
Program Director: B. Roseberg, MD
Educational Coordinator: C. Kleinschmidt, RT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Rock Valley College

Swedish-American Hospital
1400 Charles St.
Rockford, Illinois 61108
Medical Director: M.I. Guminski, MD
Program Director: H.P. Locksmith, MD
Educational Coordinator: J.M. Haber, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Thornton Community College
15800 S. State St.
South Holland, Illinois 60473
Program Director: W. Francis, PhD
Educational Coordinator: Sr. D.A. Burkard, RT(ARRT)
Educational Coordinator: C. Serbus, RT(ARRT)
Prereq: 1 Sem Coll **Class Cap.:** 60 **Begins:** Aug **Length:** 28 mos **Tuition:** $17 Cr Hr Res $38 Non Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Ingalls Memorial Hospital, Harvey; South Suburban Hospital, Hazelcrest; St. James Hospital, Chicago Heights; St. Francis Hospital, Blue Island; Chicago Osteopathic Hospital, Chicago; Our Lady of Mercy Hospital, Dyer;

Lincoln Land Community College
Shepherd Rd.
Springfield, Illinois 62708
Medical Director: O.R. Venderwater
Educational Coordinator: C.W. Gutzman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 28 mos **Tuition:** $12 Hr **Awards:** A.A.S **Next Survey:** 1982
Affiliates: St. John's Hospital

Memorial Medical Center
First & Miller Sts.
Springfield, Illinois 62705
Educational Coordinator: B. Wold, RT(ARRT)
Medical Director: D.R. Anderson, MD
Prereq: H.S. **Class Cap.:** 30 **Begins:** Oct **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1982

INDIANA

Elkhart General Hospital
600 E. Blvd., P.O. Box 1329
Elkhart, Indiana 46514
Program Director: F. Dean, MD
Educational Coordinator: H.V. Konecny, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Memorial Hospital, South Bend

Indiana State University at Evansville
8600 University Blvd.
Evansville, Indiana 47712
Medical Director: G. Kelly, DDS
Educational Coordinator: J. Arno, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 11 **Begins:** Jul **Length:** 30 mos **Tuition:** $25 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Deaconess Hospital

University of Evansville
P.O. Box 329
Evansville, Indiana 47702
Medical Director: L.J. Merrill
Program Director: T. Harmon, MD
Educational Coordinator: M. Johnson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 26 mos **Tuition:** $781 Qtr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St. Mary's Medical Center;

Welborn Memorial Baptist Hospital
401 S. E. Sixth St.
Evansville, Indiana 47713
Medical Director: E.L. Hendershot, MD
Educational Coordinator: R. Bailey, RT(ARRT))
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 2 Yrs **Awards:** Cert. **Next Survey:** 1983

Lutheran Hospital
3024 Fairfield Ave.
Fort Wayne, Indiana 46807
Medical Director: R.F. Fox, MD
Program Director: D.J. Friend, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Indiana University, Fort Wayne

Parkview Memorial Hospital
2200 Randallia Dr.
Fort Wayne, Indiana 46805
Medical Director: R.D. Dormire, MD
Program Director: R.E. Rinehart, AS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** $600 **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1984
Affiliates: Indiana University, Fort Wayne

St. Joseph's Hospital of Fort Wayne, Inc.
700 Broadway
Fort Wayne, Indiana 46802
Medical Director: F.A.Halaby, MD
Educational Coordinator: M.K. Eagleson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Inidana University, Fort Wayne

Indiana Univeristy, Northwest Campus
3400 N. Broadway
Gary, Indiana 46308
Medical Director: D. Ziev, MD
Educational Coordinator: A. McKenna, RT(ARRT)
Prereq: H.S. **Class Cap.:** 88 **Begins:** Aug **Length:** 24 mos **Tuition:** $23 Hr Res $46Non Res **Awards:** A.S. **Next Survey:** 1983
Affiliates: St. Catherine Hospital of East Chicago; St. Margaret Hospital, Hammond; Indiana Broadway Methodist Hospital, Merriville;

Hancock County Memorial Hospital
801 N. State St.
Greenfield, Indiana 46140
Program Director: R.A. Silver, MD
Educational Coordinator: E. Gambrel, RT(ARRT)
Educational Coordinator: R.A. Smallwood, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984
Affiliates: Community Hospital of Indianapolis, Inc., Indianapolis

Community Hospital of Indianapolis, Inc.
1500 N. Ritter Ave.
Indianapolis, Indiana 46219
Medical Director: G.J. Kurlander, MD
Educational Coordinator: R.C. Purdum, RT
Class Cap.: 24 **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Indiana University School of Medicine
Bryan 200, Office of the Predi
Indianapolis, Indiana 46202
Medical Director: S.C. Beering, MD
Program Director: E. Schaaff, RT(ARRT)
Prereq: H.S. **Class Cap.:** 78 **Begins:** Jun **Length:** 24 mos **Tuition:** $24/Hr Res-$55Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Indiana University Hospital; VA Hospital; Wishard Memorial Hospital/Regenstreif Health Center; Riley Children's Hospital

Indiana Vocational Technical College
1315 E. Washington St.
Indianapolis, Indiana 46202 462
Medical Director: W. Haas
Educational Coordinator: L.K. Morrison, RT(ARRT)
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep **Length:** 24 mos **Tuition:** $185 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Community Hospital of Indpls.; St Vincent Hospital; Winona Memorial Hospital; St. Francis Hospital, Beech Grove;

St. Joseph Memorial Hospital
1907 W. Sycamore St.
Kokomo, Indiana 46901
Program Director: M.M. Sekulich, MD
Educational Coordinator: J.O. Hughey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $20 Cr Hr Res $40 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Indiana University at Kokomo

Ball Memorial Hospital Association, Inc.
2401 W. University Ave.
Muncie, Indiana 47303
Medical Director: D.R. Taylor, MD
Educational Coordinator: P.R. DeReu, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Reid Memorial Hospital
1401 Chester Blvd.
Richmond, Indiana 47374
Medical Director: J.C. Spellmeyer, MD
Educational Coordinator: J. Honious, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jul
Length: 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982

Memorial Hospital of South Bend
615 N. Michigan St.
South Bend, Indiana 46601
Medical Director: W. Tirman, MD
Educational Coordinator: R.D. Scot, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Porter Memorial Hospital
814 La Porte Ave.
Valparaiso, Indiana 46383
Medical Director: E. Tufek, MD
Program Director: G.A. Janssen, RT(ARRT)
Educational Coordinator: B. Burge, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Good Samaritan Hospital
520 S. Seventh St.
Vincennes, Indiana 47591
Program Director: T.C. Brown, MD
Educational Coordinator: M. Burke, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 24 mos **Tuition:** Yes **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Northern Indiana School of Radiologic Technology, Inc.
Purdue U.-North Cent. Campus
Westville, Indiana 46391
Program Director: D. Zalac, MD
Educational Coordinator: W.H. May, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Aug
Length: 24 mos **Tuition:** $400 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Anthony Hospital, Memorial Hospital, Walters Hospital, all in Michigan City; LaPorte Hospital, LaPorte;

IOWA

Scott Community College
Belmont Rd.
Bettendorf, Iowa 52722
Medical Director: D.J. Foreman, MD
Educational Coordinator: E. Plattin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 24 mos **Tuition:** $150 Otr Res$250 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mercy Hospital, St. Luke's Hospital, Davenport Osteopathic Hospital, all in Davenport; Lutheran Hospital, Moline; Muscatine General Hospital, Muscatine;

St. Luke's Methodist Hospital
1026 A Ave., N.E.
Cedar Rapids, Iowa 52402
Medical Director: R.R. Gambach, MD
Educational Coordinator: K. Butcher, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 24 mos **Tuition:** $400 2 Yrs **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Hall Radiation Center

Jennie Edmundson Memorial Hospital
933 E. Pierce
Council Bluffs, Iowa 51501
Program Director: R.G. Mc Donald, MD
Educational Coordinator: K. Schnitker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 11 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

Iowa Lutheran Hospital
University at Pennsylvania
Des Moines, Iowa 50316
Program Director: G.B. Purnell, MD
Educational Coordinator: S.Sutherland RT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 24 mos **Tuition:** $225 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Iowa Methodist Hospital; Broadlawns Polk County Hospital;

Iowa Methodist Medical Center
1200 Pleasant St.
Des Moines, Iowa 50308
Medical Director: G. Holmes, MD
Educational Coordinator: M.J. Page, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul
Length: 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Mercy Hospital
Sixth & University
Des Moines, Iowa 50314
Medical Director: R. Gembach, MD
Educational Coordinator: D. Dzingle, BS, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Finley Hospital
350 N. Grandview Ave.
Dubuque, Iowa 52001
Medical Director: R.P. Rusk, MD
Educational Coordinator: W. Zwack, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Mercy Medical Center
Mercy Dr.
Dubuque, Iowa 52001
Medical Director: W.F. Heidenreich, MD
Educational Coordinator: G.D. Richard, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Mercy Hospital
500 Market St.
Iowa City, Iowa 52240
Medical Advisor: A.K. Fedge, MD
Program Director: M. Holland, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul
Length: 24 mos **Tuition:** $150 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

University of Iowa Hospitals and Clinics
Iowa City, Iowa 52242
Program Director: R.L. Shapiro, MD
Educational Coordinator: R. Feeny, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jul
Length: 24 mos **Tuition:** $55 Sem **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Joseph Mercy Hospital
84 Beaumont Dr.
Mason City, Iowa 50401
Medical Director: C.A. Shurtz, MD
Educational Coordinator: J. Cookman, RT(ARRT)BS
Program Director: J. Chestnut, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1981

Ottumwa Heights College
Grandview & North Elm
Ottumwa, Iowa 52501
Medical Director: R. Hastings, MD
Program Director: C. Moore, RT(ARRT)
Prereq: H.S. **Class Cap.:** 27 **Begins:** Jan
Length: 26 mos **Tuition:** $42 Cr Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Ottumwa Hospital; St. Joseph Hospital; Iowa Methodist Medical Center, Des Moines;

Marian Health Center-St. Joseph Unit
2101 Court
Sioux City, Iowa 51104
Medical Director: D.C. Schenk, MD
Program Director: M. Brazzell, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul
Length: 24 mos **Tuition:** $300 **Awards:** Cert. **Next Survey:** 1983

Allen Memorial Hospital
1825 Logan Ave.
Waterloo, Iowa 50703
Medical Director: O.Lanich, MD
Educational Coordinator: D. Cunningham, RT(ARRT)
Educational Coordinator: K.S. Metcalf, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug
Length: 24 mos **Tuition:** $150 2 Yrs **Awards:** Cert. **Next Survey:** 1984
Affiliates: Schartz Memorial Hospital;

Schoitz Memorial Hospital
Kimball & Ridgeway
Waterloo, Iowa 50702
Program Director: C.J. Ludwig, MD
Educational Coordinator: M.A. Jennings, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun
Length: 24 mos **Tuition:** $150 **Awards:** Cert. **Next Survey:** 1981

St. Francis Hospital
3421 W. Ninth St.
Waterloo, Iowa 50702
Program Director: G.M. Vandervelde, MD
Educational Coordinator: J.A. Shook, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984
Affiliates: Schoitz Memorial Hospital;

KANSAS

St. Catherine Hospital
608 N. Fifth St.
Garden City, Kansas 67846
Medical Director: G. Greenberg, MD
Educational Coordinator: V. Major, RT
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Fort Hays State University
Hays, Kansas 67601
Medical Director: W. Thomas, MD
Program Director: Q.L. Garlets, RT
Educational Coordinator: G. Beyer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug
Length: 27 mos **Tuition:** $18 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Hadley Regional Medical Center; St. Anthony Hospital; Russell City Hospital, Russell; Mattick-Carlson PA;

Hutchinson Community Junior College
1300 N. Plum
Hutchinson, Kansas 67501
Medical Director: G. Koon, MD
Program Director: B. Beardsley, RT(ARRT)
Educational Coordinator: B. Beardsley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug
Length: 24 mos **Tuition:** $8 Sem Hr **Awards:** A.T. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Hutchinson Hospital; Asbury Hospital, Salina; St. John's Hospital, Salina; Central Kansas Medical Center, Great Bend; Halstead Hospital, Halstead;

Bethany Medical Center
51 N. 12th St.
Kansas City, Kansas 66102
Medical Director: K.W. Gallehugh, MD
Program Director: T.A. Zaremba
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Providence-St. Margaret Health Center
8929 Parallel Parkway
Kansas City, Kansas 66112
Program Director: I.L. Cox III, MD
Educational Coordinator: D. Byron, BS. RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Program Director: A.W. Templeton, MD
Educational Coordinator: D. Pruneau, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

St. Francis Hospital and Medical Center
1700 W. Seventh St.
Topeka, Kansas 66606
Program Director: P.B. Sisk, MD
Educational Coordinator: E.S. Mc Rae, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Stormont-Vail Hospital
1500 W. 10th
Topeka, Kansas 66606
Program Director: R.C. Lawson, MD
Educational Coordinator: J. Roberts, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Washburn University

St. Francis Hospital
929 N. St. Francis Ave.-PO Box
Wichita, Kansas 67201
Medical Director: M.M. Somers, MD
Educational Coordinator: D.R. Myers, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

St. Joseph Medical Center
3600 East Harry
Wichita, Kansas 67218
Program Director: E.J. Fitzgerald, MD
Educational Coordinator: D. Kent, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Wesley Medical Center
550 N. Hillside Ave.
Wichita, Kansas 67214
Program Director: S.E. Hershorn, MD
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** $125 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

KENTUCKY

King's Daughter's Hospital
2201 Lexington Ave.
Ashland, Kentucky 41101
Medical Director: W.L. Cawood, MD
Program Director: J.L. Rucker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1984

Union College
Barbourville, Kentucky 40906
Medical Director: R.E. Rose, MD
Program Director: J.R. Hendrickson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $2130 yr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Pineville Community Hospital, Pineville;

Northern Kentucky University
Louie B. Nunn Drive
Highland Heights, Kentucky 41076
Medical Director: W.D. Janney, MD
Educational Coordinator: G.J. Meredith, MS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Length:** 24 mos **Tuition:** None **Awards:** A.A.S **Next Survey:** 1982
Affiliates: St. Elizabeth Medical Center-No., Covington; St. Elizabeth Medical Center-So., Edgewood; St. Luke Hospital, Ft. Thomas; The Christ Hospital, Cincinnati, Ohio;

William Booth Memorial Hospital
323 E. Second St.
Covington, Kentucky 41012
Program Director: H.B. Francis, MD
Educational Coordinator: R. Smith, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Community Methodist Hospital
1305 N. Elm St. NE-PO Box 48
Henderson, Kentucky 42420
Medical Director: J.C. Caton, MD
Program Director: D. Powell, RT
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Deaconess Hospital, Evansville, Ind.

Central Baptist Hospital
1740 S. Limestone St.
Lexington, Kentucky 40503
Program Director: C.N. Cowherd, MD
Educational Coordinator: R.M. Capps, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Central Baptist Hospital

Good Samaritan Hospital
310 South Limestone St.
Lexington, Kentucky 40508
Program Director: R.D. Shepard, MD
Educational Coordinator: J.A. Gorham, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

St. Joseph Hospital
1400 Harrodsburg Rd.
Lexington, Kentucky 40504
Program Director: W.L. Boswell, MD
Educational Coordinator: S.A. Tribble, RT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 2-Yrs **Awards:** Cert. **Next Survey:** 1979

Bellarmine College
Newbury Road
Louisville, Kentucky 40205
Medical Director: R.J. Wittman
Program Director: T. Hecker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 52 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** None **Next Survey:** 1983
Affiliates: Kentucky-Baptist Hospital; Baptist Hospital East; St. Anthony Hospital;

Saints Mary & Elizabeth Hospital
4400 Churchman Ave.
Louisville, Kentucky 40215
Program Director: C.C. Wetzelberger, MD
Educational Coordinator: J.D. Wade, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: University of Louisville Radiation Center; Norton-Childrens Hospital;

University of Louisville
P.O. Box 35260
Louisville, Kentucky 40232
Medical Director: J.T. Ling, MD
Program Director: F.E. Campeau, RT
Prereq: H.S. SAT/ACT **Class Cap.:** 40 **Begins:** Aug **Length:** 24 mos **Tuition:** $855 Yr Res $3000 Non Res **Awards:** Cert. **Next Survey:** 1978
Affiliates: Louisville General Hospital; Norton-Childrens Hospital; VA Hospital; University of Louisville Radiation Center;

Madisonville Area Vocational School
701 N. Laffoon St.
Madisonville, Kentucky 42431
Medical Director: J. Whiteledge, MD
Program Director: S.E. Coffman, MD
Educational Coordinator: J. Camp, BS,RTR(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 Month **Awards:** Cert. **Next Survey:** 1978
Affiliates: Hopkins County Hospital; Trover Clinic; Madisonville Community College;

Morehead State University
University Boulevard
Morehead, Kentucky 40351
Prereq: H.S. **Class Cap.:** 80 **Begins:** Jul **Length:** 24 mos **Tuition:** $240 Sem **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Claire Med. Ctr.; Harlan ARH Hosp., Harlan; Hayswood Hosp., Maysville; Hazard ARH Hosp., Hazard; Highlands Reg. Med. Ctr., Prestonsburg; Lake Cumberland Med. Ctr., Somerset; MacDowell ARH Hosp., MacDowell; Mary Chiles Hosp., Mt. Sterling; Morgan Ctty ARH Hosp., W. Liberty; Pikeville Methodist Hosp., Pikeville; Wise ARH Hosp., Wise;

Owensboro-Daviess County Hospital
1001 Center St.
Owensboro, Kentucky 42301
Program Director: J.A. Baumgarten, MD
Educational Coordinator: R. Ebelhar, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

LOUISIANA

St. Frances Cabrini Hospital
3330 Masonic Dr.
Alexandria, Louisiana 71301
Program Director: A.M. Alexander, Jr, MD
Educational Coordinator: Sr. M.J. McCollum, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun-Nov **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Morehouse General Hospital
323 W. Walnut St.
Bastrop, Louisiana 71220
Program Director: F.D. Elias, MD
Educational Coordinator: G. Wells, RT
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jan **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: L.P.N. Vocational School

Lallie Kemp Charity Hosp./La. Health & Human Resources Admin.
P.O. Box 70
Independence, Louisiana 70443
Medical Director: R.E.L. Stuart, MD
Program Director: J.C. Lee, RT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Lafayette Charity Hospital
311 W. St. Mary Blvd.
Lafayette, Louisiana 70501
Medical Director: R.A. Monton, MD
Educational Coordinator: S. Usie, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $50 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Northwestern State Univerisity of Louisiana
College Avenue
Natchitoches, Louisiana 71475
Medical Director: W.H. Carroll, MD
Educational Coordinator: N.D. Sanson, RT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 48 mos **Tuition:** Univ. Req. **Awards:** B.S. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Schumpert Medical Center;

Alton Ochsner Medical Foundation
1516 Jefferson Hwy.
New Orleans, Louisiana 70121
Program Director: C. Merritt, MD
Educational Coordinator: J. Croll, RT(ARRT)
Prereq: H.S. **Class Cap.:** 36 **Begins:** Jul/Jan **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Charity Hospital of Louisiana at New Orleans
1532 Tulane Ave.
New Orleans, Louisiana 70140
Program Director: E.K. Lang, MD
Educational Coordinator: A.V. LaPorte, RT(ARRT)
Educational Coordinator: A.J. Rossi, Jr., RT(ARRT)
Prereq: H.S. **Class Cap.:** 75 **Begins:** Jul-Jan **Length:** 24 mos **Tuition:** $75 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Delgado College
615 City Park Ave.
New Orleans, Louisiana 70119
Medical Director: C.L. Little, MD
Educational Coordinator: H. Gaspard, RT(ARRT)
Prereq: H.S. **Class Cap.:** 104 **Begins:** Aug **Length:** 27 mos **Tuition:** $170 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mercy Hospital; Flint-Goodridge Hospital; Southern Baptist Hospital; Touro Infirmary; Tulane Medical School; U.S.P.H.S. Hospital; West Jefferson General Hospital, Marrero; East Jefferson General Hospital, Metairie;

Hotel Dieu Hospital
2021 Perdido St.
New Orleans, Louisiana 70112
Program Director: D.H. Johnson, MD
Educational Coordinator: G.M. Harrison, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Gentilly Medical Clinic, New Orleans

Methodist Hospital
5620 Read Rd.
New Orleans, Louisiana 70127
Program Director: R.C. Fortenberry, MD
Educational Coordinator: R.P. Durrett, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Dec **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Gulf South Radiation Center

Louisana State University Hospital
1541 Kings Hwy.
Shreveport, Louisiana 71130
Medical Director: J.J. Wolfson,MD
Educational Coordinator: M.A. Vandiver, RT(ARRT)
Prereq: H.S. **Class Cap.:** 38 **Begins:** Jul **Length:** 24 mos **Tuition:** $180 2 Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

MAINE

Augusta General Hospital
6 E. Chestnut St.
Augusta, Maine 04330
Program Director: F.J. O'Connor, MD
Educational Coordinator: L. Spiller, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Eastern Maine Vocational Technical Institute
354 Hogan Rd.
Bangor, Maine 04401
Medical Director: R. Andrews, MD
Program Director: S.R. Caron, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Jun **Length:** 24 mos **Tuition:** $934 2 Yrs **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1984
Affiliates: Eastern Maine Medical Center; St. Joseph Hospital; J.A. Taylor Osteopathic Hospital; Medi-Maine Health Associates;

Central Maine Medical Center
300 Main St.
Lewiston, Maine 04240
Medical Director: J.W. Carrier, MD
Educational Coordinator: E. Stevens, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** $400 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

St. Mary's General Hospital
45 Golder St.
Lewiston, Maine 04240
Program Director: R.W. Taylor, MD
Educational Coordinator: L.L. Incze, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **Next Survey:** 1980

Maine Medical Center
22 Bramhall St.
Portland, Maine 04102
Medical Director: B.A. Luke, MD
Educational Coordinator: A. Matthews, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1984

Mercy Hospital
144 State St.
Portland, Maine 04101
Program Director: T. Doby, MD
Educational Coordinator: Sr. M. Quinn, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 2-Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984
Affiliates: Southern Maine Radiation Therapy Institute

Mid-Maine Medical Center-Seton Unit
Chase Ave.
Waterville, Maine 04901
Program Director: F. Cruickshank, MD
Educational Coordinator: C.L. Mc Intyre, RT(ARRT)
Director: A. George, RT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jul **Length:** 24 mos **Tuition:** $125 2 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

MARYLAND

Baltimore City Hospitals
4940 Eastern Ave.
Baltimore, Maryland 21224
Medical Director: R.W. Gayler, MD
Program Director: C.S. Lease, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

Essex Community College
7201 Rossville Blvd.
Baltimore, Maryland 21237
Medical Director: L.S. Albert, MD
Program Director: H.B. Copeland, MD
Educational Coordinator: R.L. Gilbert, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Aug **Length:** 29 mos **Tuition:** $300 Yr/Res **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Franklin Square Hospital

Greater Baltimore Medical Center
6701 N. Charles St.
Baltimore, Maryland 21204
Program Director: G.J. Richards, MD
Educational Coordinator: R.L. Gaphardt, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1982

J. Hopkins Hosp. and Essex Comm. Coll.
601 North Broadway.
Baltimore, Maryland 21205
Medical Director: M.W. Donner, MD
Educational Coordinator: M.L. Herda, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 2-Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

Maryland General Hospital
827 Linden Ave.
Baltimore, Maryland 21201
Program Director: W. Peterson, MD
Educational Coordinator: R.E. Cox, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $75 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Mercy Hospital, Inc.
301 St. Paul Pl.
Baltimore, Maryland 21202
Program Director: F.L. Angell, MD
Educational Coordinator: T.A. Luby, Jr.,BSRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $50 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Provident Hospital Complex
2600 Liberty Heights Ave.
Baltimore, Maryland 21215
Program Director: J.E. Bell, MD
Educational Coordinator: S. Parker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 9 **Begins:** Jan **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: University of Maryland Hospital, Radiation Therapy

Sinai Hospital of Baltimore
Belvedere Ave. at Greenspring
Baltimore, Maryland 21215
Program Director: J.O. Salik, MD
Educational Coordinator: R.W. Heinlein, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

South Baltimore General Hospital
3001 S. Hanover St.
Baltimore, Maryland 21230
Program Director: G. Burke, MD
Educational Coordinator: H.E. Kelbaugh, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: University of Maryland Hospital

University of Maryland
655 W. Baltimore St.
Baltimore, Maryland 21201
Medical Director: S. Warner, RT(ARRT)
Program Director: S. Warner, RT(ARRT)
Educational Coordinator: B.P. Arrieta, RT(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep **Length:** 48 mos **Tuition:** $310 Sem/Res **Awards:** B.S. **$Aid:** Scholarship **Prereq:** H.S **Begins:** Jul **Length:** 48 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Maryland Hospital

The Memorial Hospital at Easton
219 S. Washington St.
Easton, Maryland 21601
Program Director: H.G. Gregg, MD
Educational Coordinator: S.B. Davis, RT
Prereq: H.S. **Class Cap.:** 9 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Hood College
Frederick, Maryland 21701
Medical Director: M.S. Metz, PhD
Educational Coordinator: R.C. Granke
Class Cap.: 14 **Length:** 48 mos **Tuition:** None **Awards:** B.S. **Next Survey:** 1981
Affiliates: Sacred Heart Hosp., Cumberland

Hagerstown Junior College
751 Robinwood Dr.
Hagerstown, Maryland 21740
Medical Director: D.A. Harris
Educational Coordinator: B. McGolerick, RT(ARRT)
Prereq: H.S. **Class Cap.:** 13 **Begins:** May **Length:** 24 mos **Tuition:** Coll **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Washington County Hospital

Prince George's Community College
301 Largo Rd.
Largo, Maryland 20870
Medical Director: D.C. Wise
Educational Coordinator: E. Clark, RT(ARRT)
Prereq: H.S. **Class Cap.:** 70 **Begins:** Aug **Length:** 24 mos **Tuition:** $16 Cr Hr **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Prince George's General Hospital, Cheverly; VA Hospital, Wash., D.C.;

Peninsula General Hospital
100 E. Carroll St.
Salisbury, Maryland 21801
Medical Director: R.J. Corcoran, MD
Program Director: D.J. Duvall, BS, RT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $210 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Montgomery College
Fenton & Takoma Aves.
Takoma Park, Maryland 20012
Medical Director: J.R. Long, MD
Educational Coordinator: J. Kelley, RT
Prereq: H.S. **Class Cap.:** 134 **Begins:** Aug **Length:** 27 mos **Tuition:** $22 Sem Hr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Alexandria Hospital, Alexandria, VA; Arlington Hospital, Arlington, VA; Capital Hill Hospital, N.E. Washington, D.C.; Columbia Hospital, N.W. Washington, D.C.; E.Leland Memorial Hospital, Riverdale; Montgomery General Hospital, Olney; Providence Hospital, Washington, D.C.; Suburban Hospital, Bethesda; Holy Cross Hospital of Silver Springs;

Washington Adventist Hospital
7600 Carroll Ave.
Takoma Park, Maryland 20012
Medical Director: J.H. Nelson, MD
Educational Coordinator: S. Spencer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

MASSACHUSETTS

Middlesex Community College
Springs Rd.
Bedford, Massachusetts 01730
Medical Director: C. Schilling, MD
Educational Coordinator: J.H. Britt, RT(ARRT)
Prereq: H.S. **Class Cap.:** 154 **Begins:** Sep **Length:** 27 mos **Tuition:** $150 Sem Res$441 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Symmes Hospital, Arlington; Emerson Hospital, Concord; Malden Hospital, Malden; St. John's Hospital, Lowell; Lawrence Memorial Hosp., Medford; St. Joseph's Hospital, Lowell; Waltham Hosp., Waltham; Winchester Hospital, Winchester

Beverly Hospital
Herrick St.
Beverly, Massachusetts 01915
Medical Director: T. Shea, MD
Educational Coordinator: B. Lee, RT
Prereq: H.S. **Class Cap.:** 11 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Sem Res$441 Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: North Shore Community College; Mass. General Hospital, Boston;

North Shore Community College
3 Essex Sreet
Beverly, Massachusetts 01915
Medical Director: D.W. Beattle, MD
Educational Coordinator: R. Zenoby, RT
Prereq: H.S. **Class Cap.:** 66 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Beverly Hospital; Hunt Memorial Hospital, Danvers; Lynn Hospital, Lynn; Union Hospital, Lynn;

Massachusetts General Hospital
Fruit St.
Boston, Massachusetts 02114
Medical Director: J.M. Taveras, MD
Program Director: R.M. Donahue, Jr., RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $300 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Northeastarn University
360 Huntington Ave.
Boston, Massachusetts 02115
Medical Director: M.J. Campbell, MD
Educational Coordinator: S.A. Bozen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 458 **Begins:** Jun **Length:** 27 mos **Tuition:** $1400 **Awards:** A.S. Cert. **Prereq:** H.S. **Class Cap.:** 135 **Begins:** Jun **Length:** 28 mos **Tuition:** $2000 **Awards:** A.S. Degre **Next Survey:** 1979
Affiliates: Boston City Hosp., Children's Hosp. Med. Ctr.; Peter Brent Brigham Hosp.; Brockton Hosp., Brockton; Chelsea Mem. Hosp., Chelsea; St. Anne's Hosp., Fall River; Union-Truesdale Hosp., Fall River; Framingham Union Hosp., Framingham; Faulkner Hosp., Jamaica Plains; St. Luke's Hosp., New Bedford; Norwood Hosp., Norwood; Quincy City Hosp., Qunicy; Saugus General Hosp., Saugus; New England Mem. Hosp., Stoneham; Choate Mem. Hosp., Woburn; Cardinal Cushing Hosp., Brockton; Whidden Mem. Hosp., Everett; Cape Cod Hosp., Hyannis; Malden Hosp., Malden; Glover Mem. Hosp., Needham; Union Hosp., Needham; Union Hosp., Boston; Newton-Wellesley Hosp., Newton; New Eng. Deaconess Hosp.; Carney Hospital, Dorchester;

Mount Auburn Hospital
330 Mount Auburn St.
Cambridge, Massachusetts 02138
Program Director: E.D. Nordberg, MD
Educational Coordinator: T. Piccoli, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $700 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Bunker Hill Community College
Rutherford Ave.
Charleston, Massachusetts 02129
Medical Director: F.A. Truesdale, MD
Educational Coordinator: H.D. Akroyd, RT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 Yr **Awards:** A.S. **Next Survey:** 1979
Affiliates: Beth Israel Hosp., Boston; Tufts New Eng. Medical Ctr Hosp., Boston; Boston Veterans Administration Hosp., Boston

Burbank Hospital
Nichols Rd.
Fitchburg, Massachusetts 01420
Medical Director: R.J. La Vigne, MD
Program Director: J. Cash, RT
Educational Coordinator: K.A. Martin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $1200 **Awards:** Cert. **Next Survey:** 1981
Affiliates: Fitchburg State College; Pondville Hospital, Walpole;

Northern Essex Community College
100 Elliott St.
Haverhill, Massachusetts 01830
Medical Director: W. Taglianetti, MD
Educational Coordinator: C.W. Armstrong, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 72 **Begins:** Jul **Length:** 24 mos **Tuition:** $300 Yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bon Secours Hospital, Methuen; Hale Hospital; Lawrence General Hospital, St. Lawrence; New England Dearoness Hosp., Boston; Lowell General Hospital, Lowell;

Holyoke Community College
303 Homestead Ave.
Holyoke, Massachusetts 01040
Medical Director: P. Campbell
Medical Director: B.B. Alicandri, MD
Educational Coordinator: Sr. B. Lebel, RT(ARRT)
Prereq: H.S. **Class Cap.:** 36 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Sem Res **Awards:** A.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Providence Hospital; Mercy Hospital, Springfield

North Adams Regional Hospital
Hospital Ave.
North Adams, Massachusetts 01247
Medical Director: R.H. Cocing, MD
Educational Coordinator: C.L. Lindley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Salem Hospital
81 Highland Ave.
Salem, Massachusetts 01970
Medical Advisor: W. Perry, Jr, MD
Program Director: R.N. Millis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1978
Affiliates: North Shore Community College, Beverly;

Springfield Technical Community College
1 Armory Square
Springfield, Massachusetts 01105
Medical Director: H. Burzynski
Educational Coordinator: G. Smith, RT(ARRT)
Prereq: H.S. **Class Cap.:** 44 **Begins:** Jul **Length:** 24 mos **Tuition:** $300 yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bay State Medical Centre

Goddard Memorial Hospital
909 Sumner St.
Stoughton, Massachusetts 02072
Program Director: J.F. O'Halloran, MD
Educational Coordinator: M.M. Mula, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: New England Medical Center, Boston

Massachusetts Bay Community College
50 Oakland St.
Wellesley Hills, Massachusetts 02181
Medical Director: F.H. Cross
Educational Coordinator: C.G. Filley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 110 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Sem **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: St. Elizabeth Hosp., Brighton; L. Morse Hosp., Natick; Newton-Wellesley Hosp., Newton Lower Fall; L. Shattuck Hosp., Jamaica Plain; VA Hosp., West Roxbury; Central Hosp., Sommerville; Huntington Gen'l Hosp., Jamaica Plain;

Quinsigamond Community College
670 W. Boylston St.
Worcester, Massachusetts 01606
Medical Director: G. Babich, MD
Educational Coordinator: S.D. Ostresh, RT(ARRT)
Prereq: H.S. **Class Cap.:** 86 **Begins:** Jul **Length:** 24 mos **Tuition:** $300 yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Vincent Hospital; Worcester Memorial Hospital; Worcester Hahneman Hospital; Milford-Whitinsville Hospital, Milford; Marlborough Hospital, Marlborough; Harrington Memorial Hospital, Southbridge;

MICHIGAN

Washtenaw Community College
4800 E. Huron River Dr.
Ann Arbor, Michigan 48106
Medical Director: J.K. Baum, MD
Educational Coordinator: R. Nelson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 116 **Begins:** Jun **Length:** 24 mos **Tuition:** $14 Cr Hr Res $27 Non-Res **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: U of M Hospital; St. Joseph Mercy Hospital; Mott Childrens Hospital;VA Hospital; Chelsea Hospital, Chelsea; Beyer Hospital, Ypsilanti; Saline Community Hospital, Saline;

Kellogg Community College
450 North Ave.
Battle Creek, Michigan 49016
Medical Director: T.D. Klopfenstein
Medical Director: C.J. Ryan, MD
Educational Coordinator: C. Brockman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Aug **Length:** 24 mos **Tuition:** $15 Cr Hr Res $25 NonRes $38Out Sta **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: L.Y.P. Montgomery Hospital; Community Hospital Association of Battle Creek;

Bay County Medical Education, Inc.
615 Ninth Street
Bay City, Michigan 48706
Program Director: O. Homeister
Educational Coordinator: C. Bauer
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 30 mos **Tuition:** $18 Cr Hr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: St. Luke's Hospital, Saginaw General Hospital, St. Mary's Hospital, Saginaw; Bay Medical Center, Inc., Bay City

Delta College
University Center, Michigan 48710
Program Director: A. Oettmeir
Educational Coordinator: C. Bauer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 66 **Begins:** Sep **Length:** 30 mos **Tuition:** $16 Hr Res $26 Non-Res **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Mercy Hospital, Bay City; St. Luke's Hospital, Saginaw; Saginaw General Hospital, Saginaw; St. Mary's Hospital, Saginaw; Saginaw Osteopathic Hospital, Saginaw; Bay Med. Ctr.-General Division

Ferris State College
Big Rapids, Michigan 49307
Medical Director: A.L. Andrews
Program Director: G.J. Hensley
Educational Coordinator: R. Dudek, RT(ARRT)
Prereq: H.S. **Class Cap.:** 246 **Begins:** Sep
Length: 24 mos **Tuition:** $232 Qtr Res$560 Non-Res **Awards:** A.A.S **Next Survey:** 1980
Affiliates: E.L. Bixby Hosp., Adrian; Butterworth Hosp., G. Rapids; Garden City Osteopathic Hosp., G.C.; Lapeer Cty Gen Hosp., Lapeer; McPherson Comm. Hlth. Ctr., Howell; Mercy Hosp., Muskegon; Munson Med. Ctr., Traverse City; Pontiac Gen. Hosp., Pontiac; Sinai Hosp. of Det., Detroit; WuandotteGen. Hosp., Wyandotte;

Oakwood Hospital
18101 Oakwood Blvd.
Dearborn, Michigan 48124
Medical Director: A.T. Hennessey, MD
Educational Coordinator: F.G. Michaelson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul
Length: 24 mos **Tuition:** $300 2-yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Detroit General Hospital
1326 St. Antonie
Detroit, Michigan 48226
Medical Director: G. Wade, RT
Medical Director: K.L. Krabbenhoft, MD
Program Director: T.J. Gallagher, RT(ARRT)
Educational Coordinator: G. Wade, RT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984

Detroit-Macomb Hospitals Association
7815 E. Jefferson Ave.
Detroit, Michigan 48214
Program Director: D.L. Otto, MD
Medical Director: R.S. Kurtzman, MD
Educational Coordinator: C.J. Damico, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul
Length: 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Harper-Grace Hospitals
3990 John R St.
Detroit, Michigan 48201
Program Director: G.A. Kling, MD
Educational Coordinator: A. Stopford, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Henry Ford Hospital
2799 W. Grand Blvd.
Detroit, Michigan 48202
Program Director: D.S. Marks, MD
Educational Coordinator: D.R. Stefani, RT(ARRT)
Prereq: H.S. **Class Cap.:** 54 **Begins:** Jan-Jul
Length: 24 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Mount Carmel Mercy Hospital
6071 W. Outer Dr.
Detroit, Michigan 48235
Program Director: K.D. Mc Ginnis, MD
Educational Coordinator: R.E. Therrien, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul
Length: 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

St. John's Hospital
22101 Moross Rd.
Detroit, Michigan 48236
Medical Director: V. Mikelic, MD
Educational Coordinator: P. Henterseher, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $125 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Joseph Mercy Hospital
2200 E. Grand Blvd.
Detroit, Michigan 48211
Program Director: E. A. Dolan, MD
Educational Coordinator: M. E. Morrissey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul
Length: 24 mos **Tuition:** $225 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Mount Carmel Mercy Hospital;

Wayne County General Hospital
30712 Michigan Ave.
Eloise, Michigan 48132
Program Director: R.A. Brinker, MD
Educational Coordinator: C.V. Stanton, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Nov
Length: 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Michigan, Ann Arbor;

Hurley Medical Center
Sixth Ave. & Begole St.
Flint, Michigan 48502
Program Director: S.M. Kosciolek, MD
Educational Coordinator: H.W. Schwartz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 24 mos **Tuition:** $300 **Awards:** A.A. A.S. **$Aid:** Stipend **Next Survey:** 1978

Mc Laren General Hospital
401 S. Ballenger Hwy.
Flint, Michigan 48502
Medical Director: J.L. Anderson, MD
Educational Coordinator: K.A. Davis, RT, NMT
Program Director: E.E. Adamson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

St. Joseph Hospital
302 Kensington Ave.
Flint, Michigan 48502
Medical Advisor: A.M. Parillo, MD
Educational Coordinator: J. Wash, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Grand Rapids Junior College
143 Bostwick, N.E.
Grand Rapids, Michigan 49502
Medical Director: D.W. Maine
Educational Coordinator: J. Godisak, RT
Prereq: H.S. **Class Cap.:** 52 **Begins:** Aug
Length: 24 mos **Tuition:** $14 Cr Hr Res $24 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: North Ottawa Community Hospital, Grand Haven; Blodgett Memorial Medical Center; Holland City Hospital, Holland; Ionia Memorial Hospital, Ionia; Kent Community Hospital; Grand Rapids Osteopathic Hospital;

St. Mary's Hospital
200 Jefferson Avenue, S.E.
Grand Rapids, Michigan 49502
Medical Director: C.F. Krecke, MD
Program Director: D. Ludema, RT(ARRT)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jul
Length: 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Mid Michigan Community College
1375 S. Clare Ave.
Harrison, Michigan 48625
Medical Director: T.A. Nyquist, MA
Educational Coordinator: L.C. Witmer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 52 **Begins:** Aug
Length: 24 mos **Tuition:** $697 Yr **Awards:** A.S. **Next Survey:** 1981
Affiliates: Midland Hospital Center, Midland; Central Michigan Community Hospital, Mt. Pleasant; Gratiot Community Hospital, Alma; Gladwin Area Hospital, Gladwin; Mercy Hospital, Grayling;

W. A. Foote Memorial Hospital, Inc.
205 N. East Ave.
Jackson, Michigan 49201
Program Director: A.K. Payne, MD
Educational Coordinator: L. Fitch, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 27 mos **Tuition:** $17 Cr Hr **Awards:** A.T. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Jackson Community College

Borgess Medical Center
1521 Gull Rd.
Kalamazoo, Michigan 49001
Medical Director: R.R. McConnell, MD
Educational Coordinator: M.E. Stanley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun
Length: 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Bronson Methodist Hospital
252 E. Lovell St.
Kalamazoo, Michigan 49007
Medical Director: N.W. Courtney, MD
Educational Coordinator: E.W. Martin, Jr. RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Lansing Community College
419 N. Capitol Ave.
Lansing, Michigan 48914
Medical Director: W.R. Monroe, MD
Educational Coordinator: R. Griffith, RT(ARRT)
Prereq: H.S. **Class Cap.:** 54 **Begins:** Sep-Mar **Length:** 24 mos **Tuition:** $9 Cr Hr Res
Awards: A.S. **Next Survey:** 1980
Affiliates: Edward W. Sparrow Hospital; St. Lawrence Hospital; Lansing General Hospital; Michigan State U. Health Ctr., East Lansing

St. Mary Hospital
36475 Five Mile Rd.
Livonia, Michigan 48154
Medical Director: R. Lopez, MD
Program Director: C. Lniski, RT(ARRT)
Educational Coordinator: C. Lniski, RT(ARRT)
Prereq: H.S. **Class Cap.:** 3 **Begins:** Sep
Length: 24 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Joseph Hospital
215 North Ave.
Mount Clemens, Michigan 48043
Medical Director: V. Curatolo, MD
Program Director: D.M. Rottman, RTR
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 24 mos **Tuition:** $400 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Professional X-Ray Center; Physicians X-Ray, Grosse Pointe;

Hackley Hospital & Medical Center
1700 Clinton St.
Muskegon, Michigan 49443
Program Director: E. Johnston, MD
Educational Coordinator: D. Boven, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: Muskegon Community College;

St. Joseph Mercy Hospital
900 Woodward
Pontiac, Michigan 48053
Medical Director: R.T. Brown, MD
Educational Coordinator: S.L. Cottrell, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan,Jul
Length: 24 mos **Tuition:** $300 **Awards:** Cert **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Port Huron Hospital
1001 Kearney St.
Port Huron, Michigan 48060
Medical Director: G.M. Parker, MD
Educational Coordinator: A.L. Wildman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun
Length: 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Port Huron Mercy Hospital;

William Beaumont Hospital
3601 West Thirteen Mile Rd.
Royal Oak, Michigan 48072
Medical Director: P.Timek, MD
Program Director: C.S. Pinto, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jul
Length: 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Michigan Paraprofessional Training Inst.
21700 Northwestern Hwy-Tower 1
Southfield, Michigan 48075
Medical Director: K.B. Joshi, MD
Educational Coordinator: F. Holohan, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 62 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** A.S. **Next Survey:** 1983
Affiliates: Doctor's Medical Center, Plymouth General Hospital, Lakeside General Hospital, Detroit; Lynn Hospital, Lincoln;

Providence Hospital
16001 W. Nine Mile Rd.
Southfield, Michigan 48037
Program Director: R.L. Gonda, MD
Educational Coordinator: A. Droste, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $300 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1983

Annapolis Hospital
33155 Annapolis Rd.
Wayne, Michigan 48184
Program Director: M.B. Cash, MD
Educational Coordinator: R.E. Armentrout, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 24 mos **Tuition:** $125 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1980

MINNESOTA

Naeve Hospital Association
404 Fountain St.
Albert Lea, Minnesota 56007
Medical Director: D. Nelson, MD
Educational Coordinator: S. Shafer, RT(ARRT)
Educational Coordinator: G. Larson, RT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jan-Jun
Length: 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: University of Minnesota, Minneapolis

St. Luke's Hospital
915 E. First St.
Duluth, Minnesota 55805
Medical Director: C.F. Ahrens, MD
Program Director: M.L. Drobnick, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul
Length: 24 mos **Tuition:** $110 **Awards:** Cert.
Next Survey: 1980

St. Mary's Hospital
407 E. Third St.
Duluth, Minnesota 55805
Program Director: E.O. Evison, MD
Educational Coordinator: J. Moriarity, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep
Length: 24 mos **Tuition:** $360 2-yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Hibbing General Hospital
2015 Fourth Ave., E.
Hibbing, Minnesota 55746
Program Director: B. Halper, MD
Educational Coordinator: J.A. Shaw, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun-Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: University of Minnesota, Minneapolis

Abbott-Northwestern Hospital, Inc.
810 E.27th St.
Minneapolis, Minnesota 55407
Educational Coordinator: W. Rasuia, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun
Length: 24 mos **Tuition:** $750 **Awards:** Cert.
Next Survey: 1980
Affiliates: Minneapolis Childrens Health Center;

Fairview Hospital
2312 S. Sixth St.
Minneapolis, Minnesota 55454
Program Director: D.V. Campblell, MD
Educational Coordinator: L. Linn, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jan-Jun **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: University of Minnesota, Minneapolis

Hennepin County Medical Center
701 Park Avenue
Minneapolis, Minnesota 55415
Medical Director: S.H. Tsai, MD
Program Director: L.D. Davis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun
Length: 24 mos **Tuition:** $450 **Awards:** Cert.
Next Survey: 1981

Lutheran Deaconess Hospital
2315 14th Ave., S.
Minneapolis, Minnesota 55404
Medical Director: R.E. Anderson, MD
Program Director: W. Ipsen, RT(ARRT)
Educational Coordinator: L. Sparks, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan-Jun **Length:** 24 mos **Tuition:** $215 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Minnesota; West Bank Radiation Center

Metropolitan Medical Center
900 S. Eighth St.
Minneapolis, Minnesota 55404
Medical Director: S. Laxdal, MD
Program Director: D.L. Hemingway, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jun
Length: 24 mos **Tuition:** $375 2-yr **Awards:** Cert. **Next Survey:** 1982

North Memorial Medical Center
3220 Lowry Ave., N.
Minneapolis, Minnesota 55422
Program Director: C.J. Swendseen, MD
Educational Coordinator: R.M. Amundson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan-Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: University of Minnesota; Metropolitan Medical Center;

University of Minnesota Health Sciences Center
432 Morrill
Minneapolis, Minnesota 55455
Medical Director: E. Gedgaudas, MD
Program Director: P. Skundberg, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep
Length: 27 mos **Tuition:** $16 Cr Hr **Awards:** A.A. **$Aid:** Stipend **Next Survey:** 1978

Veterans Administration Hospital
48th & 54th Ave So.
Minneapolis, Minnesota 55417
Medical Director: D.B. Reinke, MD
Program Director: D. Walter, RT(ARRT)
Educational Coordinator: M. Hughes, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Cloud Hospital
1406 Sixth Ave., N.
St. Cloud, Minnesota 56301
Program Director: P. Berger, MD
Educational Coordinator: J.F. Falconer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep
Length: 24 mos **Tuition:** $265 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1982

Methodist Hospital
6500 Excelsior Blvd.
St. Louis Park, Minnesota 55426
Program Director: P. Olson, MD
Educational Coordinator: L.C. Olson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Dec
Length: 24 mos **Tuition:** $300 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1983

Bethesda Lutheran Hospital
559 Capitol Blvd.
St. Paul, Minnesota 55103
Medical Director: A. Kapsner, MD
Program Director: V.L. Olsen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $100/yr **Awards:** Cert. **Next Survey:** 1983
Affiliates: St. Joseph Hospital;

Virginia Municipal Hospital
901 N. Ninth St.
Virginia, Minnesota 55792
Medical Director: G.S. Wheeler, MD
Educational Coordinator: G.A. Hanglid, RT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Mesabi Community College, Virginia;

Rice Memorial Hospital
402 W. Third St.
Willmar, Minnesota 56201
Medical Director: W.H. Richie, MD
Educational Coordinator: S.A. Hogen, RT
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Willmar community College, Willmar

MISSISSIPPI

Mississippi Gulf Coast Junior College
P.O. Box 100
Gautier, Mississippi 39553
Medical Director: C.L. Davis, MD
Educational Coordinator: B.L. Vincent, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Aug
Length: 24 mos **Tuition:** $125 Sem **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Singing River Hospital, Pascagoula

Forrest County General Hospital-Methodist Hospital
400 S. 28th St
Hattiesburg, Mississippi 39401
Medical Director: D. Reikes, MD
Program Director: L.A. Woodall
Educational Coordinator: D.G. Wood, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 11 **Begins:** Jun
Length: 24 mos **Tuition:** $180 Yr **Awards:** Cert. **Next Survey:** 1979
Affiliates: Jones County Junior College, Ellisville; Methodist Hospital;

Mississippi Medical Center
1225 N. State St.
Jackson, Mississippi 39201
Program Director: R.P. Henderson, MD
Educational Coordinator: B.J. Williams, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jun-Aug **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

University of Mississippi Medical Center
2500 N. State St.
Jackson, Mississippi 39216
Program Director: R.D. Sloan, MD
Educational Coordinator: A. Fox, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jun
Length: 24 mos **Tuition:** $64 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Meridian Junior College
5500 Highway 19 North
Meridian, Mississippi 39301 393
Medical Director: C. Roberts, MD
Educational Coordinator: D. Withers, RT(ARRT)
Educational Coordinator: B. Reese, Jr., RT(ARRT)
Prereq: H.S. **Class Cap.:** 52 **Begins:** Aug
Length: 24 mos **Tuition:** $350 Yr **Awards:** A.S. **Next Survey:** 1980
Affiliates: F.G. Riley Memorial Hosp.; Jeff Anderson Memorial Hosp.; Rush Foundation Hosp.; St. Joseph Community Hosp.

MISSOURI

St. Francis Medical Center
211 St. Francis Drive
Cape Girardeau, Missouri 63701
Program Director: M. Shoss, MD
Educational Coordinator: D.R. Beussink, RTR
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

St. Louis County Hospital
601 S. Brentwood Blvd.
Clayton, Missouri 63105
Program Director: S.J. Merenda, MD
Educational Coordinator: S. White, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Medical Director: G.S. Lodwick, MD
Program Director: M. Sebacher, RT(ARRT)
Prereq: H.S. **Class Cap.:** 70 **Begins:** Jan
Length: 24 mos **Tuition:** $339 Sem Res$1014 Non Res **Awards:** Cert. **Prereq:** H.S.
Begins: Varies **Length:** 48 mos **Tuition:** $339 Sem Res$1014 Non-Res **Awards:** B.S. **Next Survey:** 1978
Affiliates: Columbus Regional Hospital; Harry S. Truman Memorial V.A. Hospital;

Independence Sanitarium & Hospital
1509 W. Truman Rd.
Independence, Missouri 64050
Program Director: J.F. Bowser, MD
Educational Coordinator: L. Young, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: University of Kansas Medical Center, Kansas City, Kan.

Missouri Southern State College
Neuman & Duquesne Rds.
Joplin, Missouri 64801
Medical Director: J.K. Moupin, MD
Educational Coordinator: W.A. Beals, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Aug **Length:** 24 mos **Tuition:** $225 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Johns Medical Center

Baptist Memorial Hospital
6601 Rockhill Rd.
Kansas City, Missouri 64131
Medical Director: H. Lee, MD
Educational Coordinator: B.A. Boucher, BS, RTR(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jun **Length:** 24 mos **Tuition:** $70 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Menorah Medical Center
4949 Rockhill Rd.
Kansas City, Missouri 64110
Medical Director: S. Rubin, MD
Educational Coordinator: M.K. Boswell. RT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Penn Valley Community College
3201 Southwest Trfwy.
Kansas City, Missouri 64111
Medical Director: D.M. Wright, MD
Educational Coordinator: D. Hronek, RT(ARRT)
Prereq: H.S. **Class Cap.:** 82 **Begins:** Aug **Length:** 27 mos **Tuition:** $200 Sem Res$500 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St. Mary's Hosp.; St. Joseph's Hospital; Medical Center of Independence, Independence; V.A. Hospital; Kansas City College of Osteopathic Medicine;

Research Hospital & Medical Center
2316 East Meyer Blvd.
Kansas City, Missouri 64132
Medical Director: H. Thalblum, MD
Educational Coordinator: L.D. Reimer, RT(ARRT)
Prereq: 1 yr Coll **Class Cap.:** 36 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

St. Luke's Hospital of Kansas City
Wornall Road at 44th
Kansas City, Missouri 64111
Program Director: G.W. Schottman, MD
Educational Coordinator: G.D. Shaumberg, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug **Length:** 24 mos **Tuition:** $50 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Louise G. Wallace Hospital
325 Harwood
Lebanon, Missouri 65536
Program Director: J.S. Summers, Jr, MD
Educational Coordinator: A.C. Emeola, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jan/Jul **Length:** 24 mos **Tuition:** $600 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: L.G. Wallce Hospital; Phelps County Memorial Hospital, Rolla; Pulaski County Memorial Hospital, Waynesville; Salem Memorial District Hospital, Salem; Tri-County Health Facility, Mansfield;

North Kansas City Memorial Hospital
2800 Hospital Dr.
North Kansas City, Missouri 64116
Medical Director: D.M. Wald, MD
Educational Coordinator: P. Stephens, RT(ARRT)
Program Director: B. Cooper, MD
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jun **Length:** 42 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Lester E. Cox Medical Center
1423 N. Jefferson
Springfield, Missouri 65802
Program Director: L.D. Litten, MD
Educational Coordinator: J.D. King, RT(ARRT)
Prereq: H.S. **Class Cap.:** 36 **Begins:** Jun **Length:** 24 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

St. John's Regional Health Center
1235 E. Cherokee
Springfield, Missouri 65802
Program Director: D.D. Anthony, MD
Educational Coordinator: E.C. Terrill, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun **Length:** 24 mos **Tuition:** $300 2-Yr **Awards:** Cert. **Next Survey:** 1978

Methodist Medical Center
7th to 9th on Faraon
St. Joseph, Missouri 64501
Medical Director: J.E. Fisher, MD
Educational Coordinator: C.N. Trigg, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Homer G. Phillips Hospital
2601 N. Whittier St.
St. Louis, Missouri 63113
Program Director: E. Mitchell, RT(ARRT)
Program Director: B. Edmond, MD
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $25 Month **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

St. John's Mercy Medical Center
615 S. New Ballas Rd.
St. Louis, Missouri 63141
Program Director: T.F. Maher, Jr, MD
Educational Coordinator: D. Gregor, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 Yr **Awards:** Cert. **Next Survey:** 1982

St. Louis Community College at Forest Park
5600 Oakland Ave.
St. Louis, Missouri 63110
Medical Director: R. Richey, MD
Educational Coordinator: D.M. Engelage, RT(ARRT)
Prereq: H.S. **Class Cap.:** 198 **Begins:** Jun **Length:** 24 mos **Tuition:** $256 Sem Res$848 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Jewish Hosp.; St. Luke's Hosp.; Deaconess Hosp.; Missouri Baptist Hosp.; Lutheran Med. Ctr.; DePaul Hosp., Bridgeton; St. Anthony's Hosp.; Incarnate Word Hosp.; Alexian Brothers Hosp.; Normandy Osteo. Hosp.; St. Mary's Hlth. Ctr.;

Washington University School of Medicine
Lindell at Skinker Campus
St. Louis, Missouri 63130
Program Director: R.G. Evens, MD
Educational Coordinator: A. Diaz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

MONTANA

St. Vincent's Hospital
1233 N. 30th St.
Billings, Montana 59101
Program Director: J. Anderson, MD
Educational Coordinator: G.A. Copeman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: Northern Rockies Cancer Treatment Center;

Columbus Hospital
500 - 15th Avenue So.
Great Falls, Montana 59405
Program Director: D.D. Dahl, MD
Educational Coordinator: T.M. Liston, RT(ARRT)
Prereq: H.S. **Class Cap.:** 5 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

Montana Deaconess Medical Center
1101 26th St., S.
Great Falls, Montana 59405
Medical Director: C. Marlen, MD
Educational Coordinator: D.F. Champion, RT(ARRT)
Educational Coordinator: L. Rominger, RT
Prereq: H.S. **Class Cap.:** 9 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

St. Patrick Hospital
500 W. Broadway
Missoula, Montana 59801
Program Director: E.J.P. Drouillard, MD
Educational Coordinator: S.J. Mueller, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

NEBRASKA

St. Francis Hospital
2620 West Faidley
Grand Island, Nebraska 68801
Program Director: B.B. Woodruff, MD
Educational Coordinator: D.J. Donnelly, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Mary Lanning Memorial Hospital
715 N. St. Joseph
Hastings, Nebraska 68901
Medical Director: W.E. Richard, MD
Educational Coordinator: J. Korth, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Oct **Length:** 24 mos **Tuition:** $1000 **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1982

Southeast Community College
1801 S. 40
Lincoln, Nebraska 68506
Medical Director: D. Buettner, MD
Program Director: B. Palser, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 8 qtrs **Tuition:** $118 Qtr **Awards:** A.A.S **Next Survey:** 1980
Affiliates: St. Elizabeth Community Health Center; Bryan Memorial Hospital;

Archbishop Bergan Mercy Hospital
7500 Mercy Rd.
Omaha, Nebraska 68124
Medical Director: G.J. Kelly, MD
Educational Coordinator: M.L. Padrnos, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 2-yr **Awards:** Cert. **Next Survey:** 1978

Immanuel Medical Center
6901 North 72nd St.
Omaha, Nebraska 68122
Program Director: L.R. James MD
Educational Coordinator: L. Baylor, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Aug **Length:** 24 mos **Tuition:** $500 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: University of Nebraska at Omaha; University Medical Center;

St. Joseph Hospital
601 N. 30th St.
Omaha, Nebraska 68131
Medical Director: P. Kenney, MD
Program Director: J.P Farrell, RT(ARRT)
Educational Coordinator: R.K. Barney, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1980

University of Nebraska College of Medicine
42nd & Dewey Ave.
Omaha, Nebraska 68105
Medical Director: P.M. Dettman, MD
Educational Coordinator: J. Temme, RT(ARRT)
Prereq: 1 Yr Coll **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Scholarship **Prereq:** A.S. **Begins:** Jun **Length:** 48 mos **Tuition:** $20 SemHr Res $56 SemNon-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980

West Nebraska General Hospital
4021 Avenue B
Scottsbluff, Nebraska 69361
Medical Director: C.S. Sorrenson, MD
Educational Coordinator: D. Mankhey, RT(ARRT)
Educational Coordinator: R.L. Kruz, RT
Prereq: H.S. **Class Cap.:** 5 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Nebraska Western College; Chadron State College, Chadron;

NEVADA

Rose de Lima Hospital
102 Lake Mead Dr.
Henderson, Nevada 89015
Medical Director: M. Strimling, MD
Program Director: V.L. Bowers, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jun **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

University of Nevada
4505 Maryland Pkwy.
Las Vegas, Nevada 89154
Medical Director: H.W. Knudson, MD
Educational Coordinator: D.T. Pierce RT(ARRT)
Prereq: H.S. **Class Cap.:** 76 **Begins:** Sep **Length:** 30 mos **Tuition:** Univ. **Awards:** A.S. B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Desert Springs Hospital; North Las Vegas Hospital, North Las Vegas; Southern Neveda Memorial Hospital; Sunrise Hospital; Valley Hospital, Ltd.; Women's Hospital;

Western Nevada Community College
7000 El Rancho Dr.
Sparks, Nevada 89431
Medical Director: L. Sandars, MD
Educational Coordinator: E. Lefebvre, RT(ARRT)
Educational Coordinator: L. Scott, RT(ARRT)
Program Director: B. Martin
Prereq: H.S. **Class Cap.:** 38 **Begins:** Jun **Length:** 30 mos **Tuition:** $13 Cr Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: St. Mary's Hospital, Washoe Medical Center, VA Hospital, 1000 & 975 Ryland Clinics, all in Reno; Carson Tahoe Hospital, C.City;

NEW HAMPSHIRE

New Hampshire Technical Institute
Five Fan Rd.
Concord, New Hampshire 03301
Medical Director: J.A. Box, MD
Program Director: H.A. Sewade, Jr., RT(ARRT)
Prereq: H.S. **Class Cap.:** 64 **Begins:** Jun **Length:** 30 mos **Tuition:** $680 Yr Res $1560 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Concord Hospital; Wentworth-Douglass Memorial Hospital, Dover; V.A. Hospital, Catholic Medical Center East & West, all in Manchester; Portsmouth Hospital, Portsmouth; Frisbie Memorial Hospital, Rochester;

Cheshire Hospital
580 Court St.
Keene, New Hampshire 03431
Program Director: J.R. Helff, MD
Educational Coordinator: C.G. Manley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** $1000 2-yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Mary Hitchcock Hospital, Hanover;

Elliot Hospital
955 Auburn St.
Manchester, New Hampshire 03103
Program Director: R.C. Manley, RT(ARRT)
Medical Director: S.D. Fons, MD
Educational Coordinator: J. Hazelton, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 **Awards:** Cert. **Next Survey:** 1981

Nashua Hospital Association (Memorial Hospital)
8 Prospect St.
Nashua, New Hampshire 03060
Medical Director: H.C. Forrester, MD
Educational Coordinator: S.C. Polley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** $350 yr **Awards:** Cert. **Next Survey:** 1982

NEW JERSEY

Atlantic City Medical Center
1925 Pacific Ave.
Atlantic City, New Jersey 08401
Program Director: A.J. Salzman, MD
Educational Coordinator: E. Griffith, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Bayonne Hospital
29 E. 29th St.
Bayonne, New Jersey 07002
Medical Director: S. Rozsa, MD
Medical Director: P.J. Goldstein, MD
Program Director: D.M. Doran, RT(ARRT)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jul **Length:** 24 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Christ Hospital, Jersey City

Clara Maass Memorial Hospital
1 Franklin Ave.
Belleville, New Jersey 07109
Medical Director: B. Martin, MD
Program Director: M. Leone, RT(ARRT)
Educational Coordinator: M. Chapman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep **Length:** 24 mos **Tuition:** $1500 **Awards:** Cert. **Next Survey:** 1980

Bridgeton Hospital
Irving Ave.
Bridgeton, New Jersey 08302
Medical Director: T.A. Koshy, MD
Educational Coordinator: R. Ligi, RT(ARRT)
Educational Coordinator: S.J. Sever, BSRT
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Atlantic City Medical Center, Atlantic City; Cumberland Radiology Center;

Cooper Medical Center
Sixth & Stevens Sts.
Camden, New Jersey 08103
Medical Director: K.Kuroda, MD
Educational Coordinator: R.A. Branca, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Our Lady of Lourdes Hospital
1600 Haddon Ave.
Camden, New Jersey 08103
Medical Director: G.P. Keefer, MD
Educational Coordinator: R.M. Lako, RT(ARRT) CXT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 2-yr **Awards:** Cert. **Next Survey:** 1980

West Jersey Hospital, Northern Division
Mt. Ephraim & Atlantic Aves.
Camden, New Jersey 08104
Medical Director: F. Petrovich, MD
Educational Coordinator: M.A. Bridge, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Cooper Medical Center;

Burdette Tomlin Memorial Hospital
Route 9 & Stone Harbor Blvd.
Cape May Court House, New Jersey 08210
Program Director: D. Wilner, MD
Educational Coordinator: K.O'Donnell, RT
Educational Coordinator: M.S. Podolnick, MD
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983
Affiliates: Atlantic City Medical Center, Atlantic City;

Institute for Advancement of Medical Sciences
Chapel Ave. & Coopers Landing
Cherry Hill, New Jersey 08002
Program Director: B. LaBove,D.O.
Educational Coordinator: J.E. Burg, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $1500 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Cooper Medical Center, Camden;

Middlesex County College
Mill Rd.
Edison, New Jersey 08817
Medical Director: R.M. Channing, MD
Program Director: F.D. Wald, MD
Educational Coordinator: A.M. Snopek, RT(ARRT)
Prereq: H.S. **Class Cap.:** 98 **Begins:** Jun **Length:** 24 mos **Tuition:** $200 Sem Res$400 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bayshore Comm Hosp, Holmdel; JFK Medical Center; Middlesex Gen Hosp, New Brunswick; Perth Amboy Gen Hosp, P.A.; Raritan Val Hosp, Greenbrook; St. Elizabeth Hosp, Elizabeth; St. Peter's Med Ctr, New Bruns.; Somerset Hosp, Somerville;

Elizabeth General Hospital & Dispensary
925 E. Jersey St.
Elizabeth, New Jersey 07201
Medical Director: C.Z. Berman, MD
Program Director: L.A. Greiner, RT(ARRT)
Educational Coordinator: A.F. Harris, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $600 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Alexian Brothers Hospital;

Englewood Hospital Association
350 Engle St.
Englewood, New Jersey 07631
Program Director: J.J. Gallagher, MD
Educational Coordinator: R. DeBellonia, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 Course **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Hunterdon Medical Center
Route 31
Flemington, New Jersey 08822
Program Director: F.P. Woodruff, MD
Educational Coordinator: K. Everett, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Hackensack Hospital
22 Hospital Pl.
Hackensack, New Jersey 07601
Medical Director: R.L. Krugman, MD
Program Director: R. Krugman, MD
Educational Coordinator: H. Chimel, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Oct **Length:** 24 mos **Tuition:** $800 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Christ Hospital and Bayonne Hosp., Bayonne, N.J.
176 Palisade Ave.
Jersey City, New Jersey 07306
Medical Director: B. Garfinkel, MD
Program Director: D. Doran, RT(ARRT)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jul **Length:** 24 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Bayonne Hospital

St. Barnabas Medical Center
Old Short Hills Rd.
Livingston, New Jersey 07039
Medical Director: M.M. Mishkin, MD
Program Director: S.E. Ubaldi, BA, RT(ARRT)
Educational Coordinator: S. Kuryls, RT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $800 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Monmouth Medical Center
Second Avenue
Long Branch, New Jersey 07740
Medical Director: W. Rose, MD
Program Director: R. DeAngelis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 Yr **Awards:** Cert. **Next Survey:** 1980

The Mountainside Hospital
Bay & Highland Aves.
Montclair, New Jersey 07042
Program Director: C. Knitzer, MD
Educational Coordinator: R. Conner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jul **Length:** 24 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1981

Burlington County Memorial Hospital
175 Madison Ave.
Mount Holly, New Jersey 08060
Program Director: E.S. Wilson, MD
Educational Coordinator: M.A. Statkiewicz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $1000 2-Yrs **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

College of Medicine and Dentistry of New Jersey
100 Bergen St.
Newark, New Jersey 07103
Medical Director: D. Gilmore, MD
Program Director: M. Malone
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $1200 **Awards:** Cert.
Affiliates: Veteran's Administration Hospital, East Ornage; College Hospital Unit; St. James Hospital;

Essex County College
303 University Avenue
Newark, New Jersey 07112
Medical Director: M.A. Petti, MD
Educational Coordinator: B. Moriarty, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep **Length:** 27 mos **Tuition:** $180 Sem **Awards:** A.A.S **Next Survey:** 1980
Affiliates: Newark Beth Israel Medical Center; East Orange General Hospital, East Orange; United Hospitals Medical Center; Hospital Center at Orange, Orange; Greenville Hospital, Jersey City;

St. Michael's Medical Center
268 High St.
Newark, New Jersey 07102
Program Director: G.S. Melnick, MD
Educational Coordinator: M. Szuszkowski, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $400 **Awards:** Cert. **Next Survey:** 1981

Bergen Community College
400 Paramus Rd.
Paramus, New Jersey 07652
Medical Director: C.D. Prota, PhD
Educational Coordinator: W.L. Leonard, RT(ARRT)
Prereq: H.S. **Class Cap.:** 42 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 Sem **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Holy Name Hosp., Teaneck; Bergen Pines Cty. Hosp.; Barnert Mem. Hosp., Paterson; Saddle Brook Gen Hosp., Saddle Brook;

Passaic General Hospital
350 Blvd.
Passaic, New Jersey 07055
Medical Director: S.E. Johnsen, MD
Educational Coordinator: M.P. Giglio, RT(ARRT)
Educational Coordinator: F.A. Gray Jr., RT
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 24 mos **Tuition:** $2000 2-yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Beth Israel Hospital; St. Mary's Hospital; United Hospital of Newark Med. Ctr., Newark

Passaic County Community College
College Boulevard
Paterson, New Jersey 07509
Medical Director: D.G. Walton, MD
Program Director: F. Schell, MD
Educational Coordinator: E.M. Maloney, RT(ARRT)
Prereq: H.S. **Class Cap.:** 48 **Begins:** Sep **Length:** 24 mos **Tuition:** $20 Cr Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Greater Paterson General Hosp., Paterson; St. Joseph's Hospital; Chilton Memorial Hosp., Pompton Plains

Muhlenberg Hospital
Park Ave. & Randolph Rd.
Plainfield, New Jersey 07061
Medical Director: E.A. Kratzman, MD
Program Director: M.A. Jackiewicz, RT(ARRT)
Educational Coordinator: S.J. Fisler, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $550 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

Riverview Hospital
35 Union St.
Red Bank, New Jersey 07701
Medical Director: A.P. Dedick, MD
Educational Coordinator: E. Wolfe RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $1000 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

Valley Hospital
Linwood & N. Van Dien Aves.
Ridgewood, New Jersey 07451
Medical Director: J.V. Riardon, MD
Educational Coordinator: B.J. Potter, RT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $700 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Fairleigh Dickinson University
233 Montrose Avenue
Rutherford, New Jersey 07070
Medical Director: F. Geize, MD
Educational Coordinator: B. Lee, RT(ARRT)
Program Director: R. Elsasser
Prereq: H.S. **Class Cap.:** 44 **Begins:** Sep **Length:** 33 mos **Tuition:** $91 Cr Hr $65 Cr Hr Hosp. **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Morristown Memorial Hospital, Morristown;

Overlook Hospital
193 Morris Ave.
Summit, New Jersey 07901
Medical Director: J.P. Flynn, MD, DABR, MACR
Educational Coordinator: C.M. Stimac, RT(RNT), CXT
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep **Length:** 24 mos **Tuition:** $800 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Helene Fuld Hospital
750 Brunswick Ave.
Trenton, New Jersey 08638
Medical Director: J. Dwyer, MD
Program Director: J. Griffin, AASRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 2 Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Medical Center at Princeton, Princeton;

Mercer County Community College
1200 Old Trenton Rd.
Trenton, New Jersey 08690
Medical Director: H.M. Dolton, MD
Educational Coordinator: Sr. M. Haney, RT(ARRT)
Prereq: H.S. **Class Cap.:** 70 **Begins:** Jun **Length:** 24 mos **Tuition:** $1250 2-Yrs **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Hamilton Hosp.; Freehold Area Hosp., Inc., Freehold; U.S. Walson Army Hosp., Ft. Dix; Mercy Medical Center, Trenton; Medical Center at Princeton, Princeton

St. Francis Medical Center
601 Hamilton Ave.
Trenton, New Jersey 08629
Program Director: J. Namm
Educational Coordinator: A. Barlow, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Pascack Valley Hospital
Old Hook Rd.
Westwood, New Jersey 07675
Program Director: D.N. Bramwit, MD
Educational Coordinator: R. Levy, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Sharlin Radiological Associates, P.A., Hackensack;

NEW MEXICO

University of Albuquerque
St. Joseph Place, N.W.
Albuquerque, New Mexico 87140
Medical Director: Sr. A. Rihm
Educational Coordinator: R.J. Michalak, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Aug **Length:** 27 mos **Tuition:** $63 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: St. Joseph Hospital; Presbyterian Hospital Center; Anna Kaseman Hospital;

University of New Mexico School of Medicine
Albuquerque, New Mexico 87131
Medical Director: R.D. Mosley, MD
Program Director: J.E. Seubert, RT
Prereq: 15 Hrs Coll **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** $144 Summer $288 Fall Spring **Awards:** A.S. **Next Survey:** 1978
Affiliates: Bernalillo County Medical Center;

Guadalupe Medical Center
109 N. Guadalupe St.
Carlsbad, New Mexico 88220
Medical Director: K.D. Kuner, MD
Program Director: L. Asbury, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Lea Regional Hospital
P.O. Box 3000
Hobbs, New Mexico 88240
Program Director: W.G. McPheron, MD
Educational Coordinator: R. Battishill, RT(ARRT)
Educational Coordinator: J. Sherrill, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun **Length:** 24 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

NM State U.-Dona-Ana Cty Occupational Ed. Branch
Las Cruces, New Mexico 88003
Medical Director: E.K. Neidick, MD
Educational Coordinator: R. Barbaras, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Aug **Length:** 24 mos **Tuition:** $304 Sem Res$872 Non-Res **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Memorial General Hospital; Providence Hospital, El Paso, Texas; Carrie Tingley Hospital, T. or C.; Med. Park;

NEW YORK

Albany Medical Center Hospital
New Scotland Ave.
Albany, New York 12208
Program Director: G.H. Roberson, MD
Educational Coordinator: R.J. Sweeney, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 2-yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Memorial Hospital
Northern Blvd.
Albany, New York 12204
Medical Director: R.C. Friedman, MD
Educational Coordinator: P.T. Rogati, RT(ARRT))
Program Director: J.C. Crowther, MD
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

Broome Community College
P. O. Box 1017.
Binghamton, New York 13902
Medical Director: J. Gay, MD
Program Director: A.B. Adams, MD
Educational Coordinator: N. Button, RT(ARRT)
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep **Length:** 24 mos **Tuition:** $350 Sem $700 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Binghamton General Hospital; Our Lady of Lourdes Memorial Hospital; Ideal Hospital, Endicott; Charles S. Wilson Memorial Hospital, Johnson City

Hostos Community College
475 Grand Concourse
Bronx, New York 10451
Medical Director: H. Miller, MD
Program Director: L.R. Sparks
Educational Coordinator: W. McCoy, RT
Prereq: H.S. **Class Cap.:** 120 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A.S. **Next Survey:** 1980
Affiliates: Bronx Lebanon Hospital; Beekman Downtown Hospital; Beth Israel Medical Center; New York University Medical Center

Misericordia Hospital Medical Center
600 E. 233rd St.
Bronx, New York 10466
Program Director: D.B. Hayt, MD
Educational Coordinator: G. Ruiz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug **Length:** 24 mos **Tuition:** $1500 2-Yrs **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Montefiore Hospital & Medical Center
111 E. 210th St.
Bronx, New York 10467
Medical Director: H.G. Jacobson, MD
Program Director: D.C. Garwin, RT(ARRT)
Educational Coordinator: E. Schmidt, RT(ARRT)
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep
Length: 24 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1983

Jewish Hospital and Medical Center of Brooklyn
555 Prospect Place
Brooklyn, New York 11238
Medical Director: David Bryk, MD, FACR
Educational Coordinator: Mildred R. Johnson, R.T.R.
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 24 mos. **Tuition:** $700 Yr. **Awards:** Cert.

Long Island College Hospital
340 Henry St.
Brooklyn, New York 11201
Program Director: R.L. Pinck, MD
Educational Coordinator: H. Schechter, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 24 mos **Tuition:** $600 **Awards:** Cert.
$Aid: Stipend & Scholarship **Next Survey:** 1981

Methodist Hospital of Brooklyn
506 Sixth St.
Brooklyn, New York 11215
Medical Director: R.V. Grieco, MD
Program Director: F. Somma, RT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 24 mos **Tuition:** $800 **Awards:** Cert. **Next Survey:** 1982

New York City Community College
300 Jay St.
Brooklyn, New York 11201
Medical Director: F. Klamit
Educational Coordinator: L.R. Sparks
Prereq: H.S. **Class Cap.:** 190 **Begins:** Sep
Length: 24 mos **Tuition:** $409 **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Brooklyn-Cumberland Med. Ctr.; Beekman Downtown Hospital; Brookdale Hosp. Ctr.; Kingsbrook Jew. Med. Ctr.; Guttman Inst., NY; Columbus Hosp., NY; LaGuardia Hosp., Forest Hills; Maimonides Med. Ctr.; Roosevelt Hosp., NY;

Millard Fillmore Hospital
3 Gates Circle
Buffalo, New York 14209
Medical Director: F.R. Sheehan, MD
Program Director: M.S. Hefferon, RT(ARRT)
Educational Coordinator: M.T. Zdrojewski, BSRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $150 **Awards:** Cert.
Next Survey: 1983
Affiliates: The Children's Hospital; Erie County Medical Center; Roswell Park Institute; Millard Fillmore Suburban Hospital;

Trocaire College
110 Red Jacket Pkwy.
Buffalo, New York 14220
Medical Director: M. Myers
Program Director: I. Felicetti, RT(ARRT)
Prereq: H.S. **Class Cap.:** 90 **Begins:** Sep
Length: 24 mos **Tuition:** $1950 **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Jerome Hospital, Batavia; Kenmore Mercy Hospital, Kenmore; Children's Hospital; Our Lady of Victory Hospital, Lacakawanna; Sisters' of Charity Hosp.; Deaconess Hosp.; Veterans Administration Hospital

Mary McClellan Hospital
Cambridge, New York 12816
Program Director: J. Dennis, MD
Educational Coordinator: J.N. Shannon, BSRT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep
Length: 24 mos **Tuition:** $500 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1981
Affiliates: University of Vermont Medical Center, Burlington, VT

Corning Hospital
176 Denison Pkwy., E.
Corning, New York 14830
Program Director: R.J. Naples, MD
Educational Coordinator: J. Malburg, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep
Length: 24 mos **Tuition:** $500 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Upstate Medical Center, Syracuse;

Arnot-Ogden Memorial Hospital
Roe Ave.
Elmira, New York 14901
Medical Director: R.H. Rojas, MD
Program Director: D.D. Byrd, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 24 mos **Tuition:** $925 2 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982

St. Joseph's Hospital Health Center
555 E. Market St.
Elmira, New York 14902
Program Director: F. Barton, MD
Educational Coordinator: F. Wilkins, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Oct
Length: 24 mos **Tuition:** $500 2-Yrs **Awards:** Cert. **Next Survey:** 1983

Peninsula Hospital Center
51-15 Beach Channel Dr.
Far Rockaway, New York 11691
Medical Director: L. Schultz, MD
Program Director: L.A. Versacio, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $400 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Nassau Community College
Stewart Ave.
Garden City, New York 11530
Medical Director: A.E. Donoe, MD
Program Director: R.P. Grella, LxT, RT(ARRT)
Prereq: H.S. **Class Cap.:** 140 **Begins:** Fall
Length: 24 mos **Tuition:** $730 Yr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Nassau County Med. Ctr., East Meadow; North Shore Hospital, Manhasset; Long Island Jewish Hillside Med. Ctr., New Hyde Park; Brunswick Hospital Ctr., Inc., Amityville; Franklin General Hospital, Valley Stream; Southside Hospital, Bayshore; Long Beach Memorial Hosp., Long Beach

The Community Hospital at Glen Cove
St. Andrews Lane
Glen Cove, New York 11542
Program Director: J.T. DeLuca, MD
Educational Coordinator: V.M. Lanphear, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $950 **Awards:** Cert.
Next Survey: 1982

Glens Falls Hospital
100 Park St.
Glens Falls, New York 12801
Program Director: R.G. Reinbold, MD
Educational Coordinator: S.L. Wood, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 24 mos **Tuition:** $200 2-Yrs **Awards:** Cert. **Next Survey:** 1983

Long Island U.-C.W. Post Center
Greenvale, New York 11548
Medical Director: D.K. Frank, MD
Educational Coordinator: J.J. LoGerfo, Ed.D.
Program Director: N.L. Lewis, RT(ARRT), LRT
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep
Length: 48 mos **Tuition:** $98 Cr Hr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Nassau County Medical Center, East Meadow; Long Island Jewish Medical Center, New Hyde Park

St. James Mercy Hospital
411 Canisteo St.
Hornell, New York 14843
Medical Director: E.M. Auringer, MD
Educational Coordinator: Sr. M. Ann, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep
Length: 24 mos **Tuition:** $1000 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: University of Rochester, Rochester; Memorial Hospital;

Tompkins County Hospital
1285 Trumansburg Rd.
Ithaca, New York 14850
Program Director: P.H. Besancon, MD
Educational Coordinator: T. Kleckner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 24 mos **Tuition:** $250 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Upstate Medical Center, Syracuse

Catholic Medical Center of Brooklyn and Queens
88-25 153rd St.
Jamaica, New York 11432
Program Director: M.A. Prunier, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 24 mos **Tuition:** $625 Sem **Awards:** Cert. **Next Survey:** 1980
Affiliates: Booth Memorial Hospital, Flushing;

Woman's Christian Association Hospital
207 Foote Ave.
Jamestown, New York 14701
Program Director: E.F. Foley, MD
Medical Director: G.M. Ebersole, MD
Educational Coordinator: C.A. Macey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 24 mos **Tuition:** $100 **Awards:** Cert.
Next Survey: 1983

Mt. St. Mary's Hospital of Niagara Falls
5300 Military Rd.
Lewiston, New York 14092
Program Director: G.E. Jones, MD
Educational Coordinator: D. Sage, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul
Length: 24 mos **Tuition:** $200 2-Yrs **Awards:** Cert. **Next Survey:** 1981

Nassau Hospital
259 First St.
Mineola, New York 11501
Program Director: D. Faegenburg, MD
Educational Coordinator: K. Gaynor, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $900 2-Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Bellevue Hospital Center
First Avenue & 27th Street
New York, New York 10016
Medical Director: A. Keegan, MD
Program Director: A.J. Gray, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 24 mos **Tuition:** $750 Yr **Awards:** Cert **Next Survey:** 1983

Columbia Presbyterian Medical Center
622 W. 168th St.
New York, New York 10032
Program Director: W.B. Seaman, MD
Educational Coordinator: C. Modeste, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $1400 **Awards:** Cert. **Next Survey:** 1983

Hospital for Joint Diseases & Medical Center
1919 Madison Ave.
New York, New York 10035
Medical Director: A. Norman, MD
Program Director: P. Lorensen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Oct
Length: 24 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1983

Memorial Hospital for Cancer & Allied Diseases
1275 York Avenue
New York, New York 10021
Program Director: R.C. Watson, MD
Educational Coordinator: M.E. Rourke, RT(ARRT)
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep
Length: 24 mos **Tuition:** $1500 **Awards:** Cert. **Next Survey:** 1981
Affiliates: New York Hospital; Hospital for Special Surgery;

New York Hospital - Cornell Medical Center
525 E. 68th St.
New York, New York 10021
Program Director: J.P. Whalen, MD
Educational Coordinator: R. Bugbee, RT(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep
Length: 24 mos **Tuition:** $750 **Awards:** Cert.
Next Survey: 1982
Affiliates: Hospital for Special Surgery, New York

Niagara Falls Memorial Medical Center
621 Tenth St.
Niagara Falls, New York 14302
Program Director: R.J. Kirby, MD
Educational Coordinator: J.F. Pashow, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1978
Affiliates: Children's Hospital, Buffalo;

Northport Veterans Administration Hospital
Middleville Rd.
Northport, New York 11768
Program Director: J.P. Arcomano, MD
Educational Coordinator: L. Anetrella, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Huntington Hospital, Huntington; St. Charles Hospital, Port Jefferson; Northport Veterans Hospital;

South Nassau Communities Hospital
2445 Oceanside Rd.
Oceanside, New York 11572
Program Director: R.J. Hochstim, MD
Educational Coordinator: R. Dacker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $900 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

Champlain Valley Physicians Hospital Medical Center
100 Beekman St.
Plattsburgh, New York 12901
Medical Director: N.W. VanLeeuwen, MD
Program Director: F.M. Ashline, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $350/yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

United Hospital
406 Boston Post Rd.
Port Chester, New York 10573
Program Director: J.J. Schwartzman, MD
Educational Coordinator: R.E. Miller, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Oct **Length:** 24 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1983

Central Suffolk Hospital
1300 Roanoke Ave.
Riverhead, New York 11901
Medical Director: M.D. Mangieri, MD
Program Director: J.A. Kanig, RT
Educational Coordinator: P. Berler, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1983
Affiliates: Eastern Long Island Hospital, Greenport; Good Samaritan Hospital, West Islip;

Genesee Hospital
224 Alexander St.
Rochester, New York 14607
Program Director: A.J. Leone, MD
Educational Coordinator: A.M. Cullinan, RT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1982

Monroe Community College
1000 E. Henrietta Rd.
Rochester, New York 14623
Medical Director: M.P. Pennell, MD
Program Director: K.H. Walker, RT(ARRT) LXT
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 24 mos **Tuition:** $890 **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Highland Hospital; St. Mary's Hospital; Newark-Wayne Hospital, Newark

Mercy Hospital
1000 N. Village Ave.
Rockville Center, New York 11570
Medical Director: J.J. Magovern, MD
Program Director: J.E. Storjohann, RT, LRT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $1000 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

North Country Community College
20 Winona Ave.
Saranac Lake, New York 12983
Medical Director: D. Milne, MD
Program Director: R.S. Radvilas, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $365 Sem Res$730 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Alice Hyde Mem Hosp, Malone; Gen Hosp of Saranac Lake, S.L.; Canton-Potsdam Hosp, Potsdam; Placid Mem Hosp, Lake Placid

U.S. Public Health Service
Bay st. & Vanderbilt Ave.
Staten Island, New York 10304
Medical Director: H. Mang, MD
Educational Coordinator: J.J. Apicello, RT(ARRT) LXT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

State University of New York-Upstate Medical Center
766 Irving Ave.
Syracuse, New York 13210
Medical Director: J.B. Henry, MD
Program Director: S. Kieffer, MD
Educational Coordinator: A.C. Stookey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep **Length:** 24 mos **Tuition:** $1000 Yr Res$1500 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Veterans Administration Hospital

Hudson Valley Community College
80 Vandenburgh Ave.
Troy, New York 12180
Medical Director: J.F. Marcelli
Program Director: G.S. Neville, RT(ARRT)
Prereq: H.S. **Class Cap.:** 120 **Begins:** Aug **Length:** 24 mos **Tuition:** $814 YrRes $1544 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: St. Peter's Hospital, Albany; Cohoes Memorial Hospital, Cohoes; Ellis Hospital, Schenectady; Lenoard Hosp.; Samaritan Hospital; St. Mary's Hospital; St. Clare's Hospital, Schenectady

St. Elizabeth Hospital
2209 Genesee St.
Utica, New York 13501
Program Director: G. Segal, MD
Educational Coordinator: M.L. Ecret, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $350 2-yr **Awards:** Cert. **Next Survey:** 1983

St. Luke's Memorial Hospital Center
Champlin Avenue, POB 479
Utica, New York 13503
Medical Director: L. Nickson, MD
Educational Coordinator: B.J. Fortuna, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

Westchester Community College
75 Grasslands Rd.
Valhalla, New York 10595
Medical Director: E. Palmer, MD
Educational Coordinator: M. Thornhill, RT(ARRT)
Prereq: H.S. **Class Cap.:** 116 **Begins:** Sep **Length:** 24 mos **Tuition:** $325 Sem Res$650 Non-Res **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Northern Westchester Hospital, Mount Kisco; Phelps Memorial Hospital, N. Tarrytown; New Rochelle Hospital, New Rochelle; Grasslands Hospital; White Plains Hospital, White Plains; St. Agnes Hospital, White Plains; Yonkers General Hospital, Yonkers; Lawrence Hospital, Bronxville; St. John's Riverside Hospital

NORTH CAROLINA

Asheville-Buncombe Technical Institute
340 Victoria Rd.
Asheville, North Carolina 28801
Medical Director: O.R. Wood, MD
Educational Coordinator: H. Dawkins, RT(ARRT)
Prereq: H.S. GED **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $33 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Memorial Mission Hospital; Saint Joseph's Hospital; Veteran's Administration Hospital;

Sandhills Community College
Route 3 Box I82 C
Carthage, North Carolina 28327
Medical Director: D. Clark, MD
Medical Advisor: H.G. Beard, MD
Program Director: P. Monagan, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 Yr **Awards:** A.A. **Next Survey:** 1979
Affiliates: Moore Memorial Hospital, Pinehurst

University of North Carolina
South Building
Chapel Hill, North Carolina 27514
Medical Director: C.C. Fordhem, MD
Program Director: J.C. Keene, MS, RT(R)
Educational Coordinator: R.L. Thorpe, MS, RT(R)
Prereq: 2 Yrs Coll **Class Cap.:** 40 **Begins:** Jul **Length:** 48 mos **Tuition:** $262 Sem **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: North Carolina Memorial Hospital, Chapel Hill

Charlotte Memorial Hospital and Medical Center
1000 Blythe Blvd.
Charlotte, North Carolina 28203
Program Director: R.S. Lackey, MD
Educational Coordinator: S. Marwitz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Mercy Hospital, Inc.
2001 Vail Avenue
Charlotte, North Carolina 28207
Program Director: G.D. Zimmerman, MD
Educational Coordinator: N.M. Garbark, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Central Piedmont Community College; Presbyterian Hospital;

Presbyterian Hospital
P. O. Box 33549
Charlotte, North Carolina 28237
Program Director: H.H. Hayes, MD
Educational Coordinator: R.H. Hardin, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 24 mos **Tuition:** $700 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Queens College

Duke University Medical Center
Box 3701
Durham, North Carolina 27710
Medical Director: D. Kirks, MD
Program Director: C.C. Easterling, RT(ARRT)
Educational Coordinator: C. Shuba, RT(ARRT)
Prereq: H.S. **Class Cap.:** 110 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Durham Veterans Administration Hospital

Durham County General Hospital
3643 N. Roxboro St.
Durham, North Carolina 27704
Medical Director: D.M. Monson, MD
Program Director: B.O. Burgess, II, BSRT
Educational Coordinator: N.F. Forth, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $350 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: North Carolina Memorial Hospital, Chapel Hill; Lenox Baker Cerebral Palsy Hospital;

Hugh Chatham Memorial Hospital
Parkwood Dr.
Elkin, North Carolina 28621
Program Director: R.B. Merlo, MD
Educational Coordinator: M. Stone, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Oct **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: N.C.B. Hospital, Winston Salem;

Fayetteville Technical Institute
P.O. Box 35236
Fayetteville, North Carolina 23803
Medical Director: W.E. Seuse
Program Director: H. Batten, MD
Educational Coordinator: M.J. Richardson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 Qt **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Fayetteville Technical Institute; Cumberland County Hospital Systems;

Gaston Memorial Hospital, Inc.
2525 Court Dr.
Gastonia, North Carolina 28052
Medical Advisor: L.M. Morris, MD
Program Director: C.F. Roach, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $50 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Presbyterian Hospital, Charlotte;

Moses H. Cone Memorial Hospital
1200 N. Elm St.
Greensboro, North Carolina 27420
Medical Director: O.N. Fisher, MD
Program Director: G.D. Hall, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Pitt Technical Institue
P.O. Drawer 7007
Greenville, North Carolina 27834
Medical Director: M. Weaver,MD
Program Director: J.E. Downing, MA
Educational Coordinator: G. Moore, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** $156 YrInstate$792 Out of State **Awards:** A.A. **Next Survey:** 1979
Affiliates: Pitt Cty Mem Hosp; Duke Univ Med Ctr, Durham; N.C. Mem Hosp, Chapel Hill; Wash. Cty Hosp, Plymouth; E. Radiological Assoc;

Maria Parham Hospital Association, Inc.
Ruin Creek Rd.
Henderson, North Carolina 27536
Medical Director: J.A. Boyd, Jr, MD
Educational Coordinator: J. Moseley, RT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Catawba Memorial Hospital
Highway 64/70
Hickory, North Carolina 28601
Program Director: J.H. Owsley, MD
Educational Coordinator: W.H. Smith, Jr, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980

Lenoir Memorial Hospital, Inc.
100 Airport Rd.-PO Drawer 1678
Kinston, North Carolina 28501
Program Director: S.I. Patrick, MD
Educational Coordinator: J.H. Graham, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Kinston Radiological Clinic

Caldwell Community College
1000 Hickory Blvd.
Lenoir, North Carolina 28638
Program Director: C M. Holland, RT
Educational Coordinator: C.M. Holland, RT(ARRT)
Prereq: H.S. **Class Cap.:** 44 **Begins:** Aug **Length:** 24 mos **Tuition:** $172 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Broughton Hospital, Morganton; Grace Hospital, Morganton; Valdese General Hospital,Valdese; Glenn R. Frye Memorial Hospital, Hickory; Watauga County Hospital, Boone; Caldwell Memorial Hospital

Carteret Technical Institute
P.O. Box 550
Morehead City, North Carolina 28557
Medical Director: U.G. Mizell
Program Director: L.H. Miller, RT
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Carteret General Hospital; Onslow Memorial Hospital, Jacksonville; Craven County Hospital, New Bern; Sealevel Hosp., Sealevel

Northern Hospital of Surry County
830 Rockford St-PO Box 1101
Mount Airy, North Carolina 27030
Medical Director: H.S. Adams, MD
Educational Coordinator: L. Blackburn, RT
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: North Carolina Baptist Hospital, Winston-Salem

Wilkes General Hospital
P.O. Drawer 609
N. Wilkesboro, North Carolina 28659
Medical Director: J.N. Bennett, MD
Program Director: B.S. Winslow, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Rex Hospital
1311 St. Mary's St.
Raleigh, North Carolina 27603
Medical Director: R.T. Jackson, MD
Program Director: M.L. Webb, RT(ARRT)
Educational Coordinator: K.Carden, BSRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 **Awards:** Cert. **Next Survey:** 1980

Rowan Technical Institute
P.O. Box 1595
Salisbury, North Carolina 28144
Medical Director: J. Freeman, MD
Educational Coordinator: M. Koontz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 42 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Rowman Memorial Hosp.; V.A. Hosp.; Cabarrus Memorial Hosp., Concord

Cleveland County Technical Institute
137 South Post Rd.
Shelby, North Carolina 28150
Program Director: S. Hardin, MA.Ed
Educational Coordinator: J.Schilling, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Cleveland Memorial Hosp.; Royster Mem. Hosp., Boiling Springs; Kings Mountain Hosp. Inc., Kings Mountain

Johnston Technical Institute
P.O. Box 2350
Smithfield, North Carolina 27577
Medical Director: A.C. Phillips
Program Director: N.L.H. Green, MD
Educational Coordinator: S. Smith, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Johnston Memorial Hospital; Wayne Memorial Hospital, Goldsboro; Sampson County Memorial Hospital, Clinton;

Davis Hospital
709 West End Ave.
Statesville, North Carolina 28677
Medical Director: J.D. Lee, MD
Educational Coordinator: T.N. Chapman, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Glenn R. Frye Memorial Hospital, Hickory;

C.J. Harris Community Hospital
59 Hospital Rd.
Sylva, North Carolina 28779
Program Director: R.L. Hooper, MD
Educational Coordinator: J.W. Taylor, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Margaret Pardee Hospital, Hendersonville;

Edgecombe Technical Institute
P.O. Box 550
Tarboro, North Carolina 27886
Medical Director: MR.T. Williams, MD
Program Director: L.D. Twisdale, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Nash Gen Hosp, Rocky Mount; Wilson Mem Hosp, Wilson; Halifax Mem Hosp, Roanoke Rapids; Edgecombe Gen Hosp, Tarboro;

Beaufort County Hospital
E. 12th St.
Washington, North Carolina 27889
Program Director: R.E. Sandy, MD
Educational Coordinator: H.Y. Lewis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Pitt Mem Hosp, Greenville; N.C. Mem Hosp, Chapel Hill; Craven County Hosp, New Bern; Lenoir Mem Hosp, Kinston;

Forsyth Technical Institute
2100 Silas Creek Pkwy.
Winston-Salem, North Carolina 27103
Medical Director: D. Ott, MD
Program Director: C. Ritchie, Jr, RT(ARRT)
Medical Director: J. Santos, MD
Prereq: H.S. **Class Cap.:** 62 **Begins:** Sep **Length:** 24 mos **Tuition:** $32 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Forsyth Memorial Hospital; North Carolina Baptist Hospital

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NORTH DAKOTA

Quain & Ramstad Clinic
221 N. Fifth St.
Bismarck, North Dakota 58501
Medical Director: S.K. Imes, MD
Program Director: L.W. Pounds, RT(ARRT) LPN
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Bismarck Hospital

St. Alexius Hospital
Ninth & Thayer
Bismarck, North Dakota 58501
Medical Director: E. Kralicek, MD
Program Director: Sr. M.R. Zastoupil, RT(ARRT)
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $100 2 Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

St. John's Hospital
510 Fourth St., S.
Fargo, North Dakota 58103
Program Director: L.D. Shook, MD
Educational Coordinator: D.A. Jenkins, RT(ARRT)
Prereq: 1 yr Coll **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Neuropsychiatric Institute

St. Luke's Hospitals
Fifth St. & Mills Ave.
Fargo, North Dakota 58102
Medical Director: J. Manesis, MD
Program Director: D.T. Jensen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Minot State College, Minot

United Hospital-Grand Forks Clinic
1000 S. Columbia Rd.
Grand Forks, North Dakota 58201
Medical Director: G.E. Gerloff
Program Director: R.J. Blank, MD
Educational Coordinator: C.B. Sanger, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: University of Minnesota, Minneapolis, Minn.

Community Memorial Hospital
P.O. Box 712
Hettinger, North Dakota 58639
Program Director: P.G. Retzer,MD
Educational Coordinator: A.N. Kremlacek, RT
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jan
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983
Affiliates: University of Minnesota, Minneapolis;

St. Joseph's Hospital
Third St. & Fourth Ave., S.E.
Minot, North Dakota 58701
Program Director: H.D. Knudsen, MD
Educational Coordinator: R.L. Vreeland, RT(ARRT)
Prereq: H.S. **Class Cap.:** 7 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Trinity Medical Center
Main Street & 4th Ave., S.W.
Minot, North Dakota 58701
Medical Director: H.D. Knudson, MD
Educational Coordinator: R. Vreeland, RT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Minot State College

OHIO

Akron City Hospital
525 E. Market St.
Akron, Ohio 44309
Medical Director: A.H.Kuster, MD
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun
Length: 24 mos **Tuition:** $240 **Awards:** Diplo **Next Survey:** 1982
Affiliates: University of Akron; Children's Hospital of Akron

Akron General Medical Center
400 Wabash Ave.
Akron, Ohio 44307
Program Director: R.J. Albright, MD
Educational Coordinator: J.M. Copen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun
Length: 24 mos **Tuition:** $500 **Awards:** Cert.
Next Survey: 1981
Affiliates: University of Akron; Children's Medical Center;

Children's Hospital Medical Center
281 Locust St.
Akron, Ohio 44308
Medical Director: N.Glazer
Program Director: S. Hogrefe, RT(ARRT)
Educational Coordinator: S. Hogrefe, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $300 **Awards:** Cert.
Next Survey: 1981
Affiliates: Akron City Hospital; Akron General Medical Center;

St. Thomas Hospital
444 N. Main St.
Akron, Ohio 44310
Medical Director: C.J. Miller Jr., MD
Program Director: A.J. Villanova, RT(ARRT)
Educational Coordinator: B. Rutledge, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

Barberton Citizens Hospital
155 5th St. NE
Barberton, Ohio 44203
Program Director: T.F. Ulrich, MD
Educational Coordinator: M. Roberts, RT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jun
Length: 24 mos **Tuition:** $600 **Awards:** Cert. **Next Survey:** 1979
Affiliates: University of Akron, Akron

Aultman Hospital Association
2600 Sixth St., S. W.
Canton, Ohio 44710
Program Director: W.J. Howland, MD
Educational Coordinator: G. Berry, RT(ARRT)
Educational Coordinator: B. Robinson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul
Length: 24 mos **Tuition:** $100 **Awards:** Cert.
Next Survey: 1980

Timken Mercy Medical Center
1320 Timken Mercy Drive NW
Canton, Ohio 44708
Medical Director: T.J. Dodd, MD
Program Director: F.L. Kob, RT(ARRT)
Educational Coordinator: L.J. Bevacqua, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 24 mos **Tuition:** $100 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1982

Christ Hospital
2139 Auburn Ave.
Cincinnati, Ohio 45219
Program Director: C. Hawley, MD
Educational Coordinator: R. Gorman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** $75 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1981

Our Lady of Mercy Hospital
Rowan Hills Dr.
Cincinnati, Ohio 45227
Program Director: C.M. Barrett, MD
Educational Coordinator: Sr. M.N. Morgan, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep
Length: 24 mos **Tuition:** $300 **Awards:** Cert.
$Aid: Stipend & Scholarship **Next Survey:** 1981
Affiliates: University of Cincinnati Med. Ctr.; Bethesda Hospital

University of Cincinnati Medical Center
234 Bethesda Ave.
Cincinnati, Ohio 45267
Medical Director: E.G. Muntz, MD
Director: P.M. Ruthemeyer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $320 Qtr Res$760 QtNon-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Cincinnati General Hospital; The Christian R. Holmes Hospital, Childrens Hospital Medical Center;

Xavier University
Victory Pkwy.
Cincinnati, Ohio 45207
Medical Director: R.H. Helms, PhD,
Program Director: S. Wideman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 9 **Begins:** Sep
Length: 24 mos **Tuition:** $2900 2-Yr **Awards:** A.S. **Next Survey:** 1980
Affiliates: St. Francis Hosp.; Bethesda Hosp.; Good Samaritan Hosp.; The Jewish Hosp.; Providence Hosp.

Cleveland Metropolitan General Hospital
3395 Scranton Rd.
Cleveland Ohio 44109
Program Director: E.M. Bellon, MD
Educational Coordinator: R.E. Klimo, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Monthly **Length:** 24 mos **Tuition:** $225 Yr
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1980

Cuyahoga Community College
700 Carnegie Avenue
Cleveland, Ohio 44115
Medical Director: J. Nolan
Program Director: J. Ludwig, RT
Prereq: H.S. GED **Class Cap.:** 184 **Begins:** Sep **Length:** 24 mos **Tuition:** $450 Yr
Awards: A.A. **Next Survey:** 1980
Affiliates: Cleveland Clinica Foundation, Cleveland; Fairview General Hospital, Cleveland; Huron Road Hospital, Cleveland; St. Vincent Charity Hospital, Cleveland;

Hillcrest Hospital
6780 Mayfield Rd.
Cleveland, Ohio 44124
Medical Director: J.V. Zelch, MD
Program Director: E.M.Park, RT
Educational Coordinator: L.M. Zeit, RT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun
Length: 24 mos **Tuition:** $350 **Awards:** Cert.
Next Survey: 1983
Affiliates: Lakeland Community College, Mentor

Mt. Sinai Hospital of Cleveland
1800 E. 105th St.
Cleveland, Ohio 44106
Program Director: A. Lerner, MD
Educational Coordinator: D.E. Komperda, RTR
Prereq: H.S. **Class Cap.:** 26 **Begins:** Jan-Jul
Length: 24 mos **Tuition:** $600 **Awards:** Cert.
$Aid: Scholarship **Next Survey:** 1979
Affiliates: Cuyahoga Community College

St. Alexis Hospital
5163 Broadway Ave.
Cleveland, Ohio 44127
Medical Director: J.N. Holyland, MD
Educational Coordinator: M.J. Harrison, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jun
Length: 24 mos **Tuition:** $25 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1979
Affiliates: St. Vincent Charity Hospital

St. Luke's Hospital
11311 Shaker Blvd.
Cleveland, Ohio 44104
Medical Director: R.J. Porter, MD
Educational Coordinator: A. Hocuar, RT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jan-Jul
Length: 24 mos **Tuition:** $350 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Lakeland Community College, Mentor;

University Hospitals of Cleveland
2065 Adelbert Rd.
Cleveland, Ohio 44106
Medical Director: H.L. Friedell, MD
Educational Coordinator: A.R. Rosich, RT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jan-Apr Jul-Oct **Length:** 24 mos **Tuition:** $150 2 Yr
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1980

Mt. Carmel Medical Center
793 W. State St.
Columbus, Ohio 43222
Medical Director: D.H. Magleby, MD
Program Director: R. Bullock, RT(ARRT)
Prereq: H.S. **Class Cap.:** 13 **Begins:** Jul
Length: 24 mos **Tuition:** $225 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Riverside Methodist Hospital
3535 Olentangy River Rd.
Columbus, Ohio 43214
Program Director: D.R. Schmidt, MD
Educational Coordinator: H.C. Wehrung, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 27 mos **Tuition:** Univ. Req. **Awards:** Cert. **Next Survey:** 1980
Affiliates: Otterbein College, Westerville;

The Ohio State University College of Medicine
190 N. Oval Mall
Columbus, Ohio 43210
Medical Director: C.F. Mueller, MD
Program Director: P.W. Ballinger, RT(ARRT)
Prereq: 2 yrs Coll **Class Cap.:** 40 **Begins:** Jun **Length:** 48 mos **Tuition:** $260 Qtr Res$610 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Ohio State University Hospital, Columbus;

Cuyahoga Falls General Hospital
1900 Twenty-third Street
Cuyahoga Falls, Ohio 44223
Program Director: M.B. Renner, DO
Educational Coordinator: E.Stutzman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Sinclair Community College
444 W. Third St.
Dayton, Ohio 45402
Medical Director: L.R. Kimmons, MD
Program Director: R. Cook, MD
Educational Coordinator: W.L. Shadlie, Jr., RT(ARRT)
Prereq: H.S. **Class Cap.:** 76 **Begins:** Jun **Length:** 24 mos **Tuition:** $100 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Grandview Hospital; Good Samaritan Hospital; Miami Valley Hospital; St. Elizabeth Medical Center;

Union Hospital
659 Boulevard
Dover, Ohio 44622
Program Director: L.L. Appel, MD
Educational Coordinator: D.E. Ritter, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Aultman Hospital, Canton;

Lorain County Community College
1005 N. Abbe Rd.
Elyria, Ohio 44035
Medical Director: M.R. Gravis, RN
Program Director: R.A. Schloss
Educational Coordinator: G. Parks, RT(ARRT)
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep **Length:** 24 mos **Tuition:** $10 Cr Hr Res$14 Non-Res$19 Outof Stat **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Elyria Memorial Hospital; Lorain Community Hospital, Lorain; St. Joseph Hospital, Lorain

Euclid General Hospital
E. 185th St. & Lake Erie
Euclid, Ohio 44119
Program Director: H.J. Klein, MD
Educational Coordinator: A. Hall, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $450 Res **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Lakeland Community College, Mentor;

Marymount Hospital
12300 McCracken Rd.
Garfield Heights, Ohio 44125
Medical Director: N.E. Reich, DO
Program Director: C.J. Morell, MD
Educational Coordinator: Sr. M. Frederick, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Mar-Sep **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Mercy Hospital
116 Dayton St.
Hamilton, Ohio 45011
Medical Director: M.J. Rassell, MD
Program Director: K.L. Frank, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Kettering College of Medical Arts
3535 Southern Blvd.
Kettering, Ohio 45429
Program Director: S.A. Andrews, MD
Educational Coordinator: B. Arellano, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $50 Sem Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Kettering Memorial Hospital;

Lancaster-Fairfield County Hospital
401 N. Ewing St.
Lancaster, Ohio 43130
Program Director: G.F. Jones, MD
Medical Director: R.A. Welsh, MD
Educational Coordinator: C.L. Diebold, Jr., RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1984

Lima Technical College
4300 Campus Dr.
Lima, Ohio 45804
Medical Director: S.D. Bassitt
Program Director: A. Wittmeyer
Educational Coordinator: Q.L. Garlets, RT
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $714 Yr **Awards:** A.A.S **Next Survey:** 1980
Affiliates: Lima Memorial Hospital; St. Rita's Medical Center; Lima State Hospital; Defiance Hospital, Defiance; Mary Rutan Hospital, Bellefontaine; Mercer County Joint Township Community Hosp, Coldwater; Hardin Memorial Hospital, Kenton; Joint Township District Memorial Hospital, St. Mary's; Wilson Memorial Hospital, Sidney; Blanchard Valley Hospital, Findley; Van Wert County Hospital, Van Wert;

North Central Technical College
Box 698-2441 Kenwood Circle
Mansfield, Ohio 44901
Medical Director: G.M. Rustad
Program Director: R.L. Garber, MD
Educational Coordinator: A.M. Tackett, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Jun **Length:** 24 mos **Tuition:** $270 Qtr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mansfield General Hospital;

Memorial Hospital
Matthew & Ferguson Sts.
Marietta, Ohio 45750
Program Director: C.E. Ash, MD
Educational Coordinator: O.R. Woods, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Camden-Clark Memorial Hospital, Parkersburg, West Virginia;

Marion General Hospital
McKinley Park Dr.
Marion, Ohio 43302
Medical Director: B.H. Sitterley, MD
Program Director: C.M. Hampel, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

St. Luke's Hospital
5901 Monclova Rd.
Maumee, Ohio 43537
Medical Director: J.H. Hanson, MD
Educational Coordinator: C.J. Snyder, RT(ARRT)
Educational Coordinator: C. Frigmanski, RT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** $131 Qtr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: University of Toledo, Toledo; St. Vincent's Hospital & Medical Center, Toledo;

Southwest General Hospital
18697 E. Bagley Road
Middleburg Heights, Ohio 44130
Medical Director: C.J. Doyle, MD
Educational Coordinator: P.S. Shannon, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** $450 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Cuyahoga Community College, Parma

Middletown Hospital Association
105 McKnight Dr.
Middletown, Ohio 45042
Medical Director: W.T. Owens, MD
Educational Coordinator: L. Jones, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Central Ohio Technical College
University Dr.
Newark, Ohio 43055
Medical Director: G. Erhard, MD
Program Director: D.J. Fleury, BS, RT(ARRT)
Prereq: H.S. GED **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $255 Qtr Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Licking County Memorial Hospital

Fisher-Titus Memorial Hospital
272 Benedict Ave.
Norwalk, Ohio 44857
Medical Director: A. Easton, MD
Medical Director: B.A. Grella, Jr, MD
Program Director: L.W. Ream, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Providence Hospital, Sandusky

Cuyahoga Community College-Western Campus
11000 Pleasant Valley Road
Parma, Ohio 44130
Medical Director: B.T. Archer, MD
Program Director: J. Ludwig, RT
Prereq: H.S. **Class Cap.:** 184 **Length:** 24 mos **Tuition:** None **Awards:** A.S. **Next Survey:** 1980
Affiliates: Cleveland Clinic Foundation, Cleveland; Fairview General Hospital, Cleveland; Huron Road Hospital, Cleveland; St. Vincent Charity Hospital, Cleveland;

Parma Community General Hospital
7007 Powers Blvd.
Parma, Ohio 44129
Program Director: C.M. Greenwald, MD
Educational Coordinator: N. Dewey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** $350 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Cuyahoga Comm. Coll. Western Campus; Cleveland Metropolitan Gen Hosp, Cleveland; Deaconess Hospital, Cleveland;

Shawnee State College
940 Second St.
Portsmouth, Ohio 45662
Medical Director: T.F. Foti
Educational Coordinator: J.L. Lucline
Program Director: J.L. Morre, RT
Prereq: H.S. **Class Cap.:** 54 **Begins:** Sep **Length:** 24 mos **Tuition:** $205 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mercy Hospital; Scioto Memorial Hospital; Southern Hills Hospital; Ross County Medical Center, Chillicothe; Lawrence County General Hospital, Ironton; Brown County General Hospital, Georgetown;

Robinson Memorial Hospital
6847 N. Chestnut St.
Ravenna, Ohio 44266
Educational Coordinator: L.T. Schoeffler, RT(ARRT)
Program Director: D. Hammel, MD
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $350 2-Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: University of Akron, Akron; NEORAD Oncology Center, Hartville; Aultman Hospital, Canton;

Northern Columbiana County Community Hospital
1995 E. State St.
Salem, Ohio 44460
Medical Director: F.V. Apicella, MD
Program Director: R.E. Bell, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jul **Length:** 24 mos **Tuition:** $360 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1978

Providence Hospital
1912 Hayes Ave.
Sandusky, Ohio 44870
Medical Director: S. Spendiprian, MD
Program Director: J.R. Armstrong, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1983

Community Hospital of Springfield & Clark County
2615 E. High St.
Springfield, Ohio 45501
Program Director: S.H. Nedelman, MD
Educational Coordinator: J.B. Thorsten, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Mercy Medical Center; Wittenberg University;

Wittenberg University
Springfield, Ohio 45501
Medical Director: F. Bavendam, MD
Program Director: A. Frasca, PhD
Educational Coordinator: J. Buchholtz, RT
Prereq: Coll Req. **Class Cap.:** 30 **Begins:** Sep **Length:** 48 mos **Tuition:** $3372 Yr **Awards:** B.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Mercy Med. Ctr.

Jefferson Technical College
4000 Sunset Boulevard
Steubenville, Ohio 43952
Medical Director: J.J. Yobbagy, MD
Program Director: C.A. Francis, RT(ARRT)
Educational Coordinator: E.L. Florek
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 YrRes $760 Non Res **Awards:** A.A.S **Next Survey:** 1980
Affiliates: St. John Medical Center; Ohio Valley Hospital; Weirton Medical Center, Weirton;

Mercy Hospital
485 W. Market St., P.O. Box 72
Tiffin, Ohio 44883
Medical Director: G.J. Munoz, MD
Educational Coordinator: J.L. Hartman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Michael J. Owens Technical College
Caller #10,000 Oregan Rd.
Toledo, Ohio 43699
Program Director: L. Myers, RT(ARRT)
Prereq: H.S. **Class Cap.:** 1389 **Begins:** Jun **Length:** 24 mos **Tuition:** $330 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mercy Hospital, Toledo; Fremont Memorial Hospital, Fremont; Riverside Hospital, Toledo; Wood County Hospital, Bowling Green; Parkview Hospital, Toledo; Toledo Medical College of Ohio; Flower Hospital, Sylvania; St. Charles Hospital, Oregon;

St. Vincent Hospital & Medical Center
2213 Cherry St.
Toledo, Ohio 43608
Program Director: S.T. Pinsky, MD
Educational Coordinator: C.J. Frigmanski, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1984
Affiliates: University of Toledo; St. Luke's Hospital, Maumee;

The Toledo Hospital
2142 N. Cove Blvd.
Toledo, Ohio 43606
Program Director: J.R. Yoder, MD
Educational Coordinator: C.H. Ghareeb, RT(ARRT)
Educational Coordinator: C.L. Ghareeb, RT
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Trumbull Memorial Hospital
1350 E. Market St.
Warren, Ohio 44482
Medical Director: H. Sheshadri, MD
Medical Director: J.S. Schlecht, MD
Educational Coordinator: J. Gibson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

St. Elizabeth Hospital
1044 Belmont Ave.
Youngstown, Ohio 44501
Program Director: W.R. Torok, MD
Educational Coordinator: F. Potts, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 2 Yrs **Awards:** Cert. **Next Survey:** 1978

The Youngstown Hospital Association-North Unit
345 Oak Hill Avenue
Youngstown, Ohio 44501
Medical Director: R.A. Wiltsie, MD
Program Director: I. Mendel, MD
Educational Coordinator: R. Creighton, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

The Youngstown Hospital Association-South Unit
345 Oak Hill Avenue
Youngstown, Ohio 44501
Medical Director: A. Hafiz, MD
Program Director: S. Massullo, RT(ARRT)
Educational Coordinator: S. Massullo, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

OKLAHOMA

St. Mary's Hospital
302 S. Fifth St.
Enid, Oklahoma 73701
Program Director: J.H. Walsh, MD
Educational Coordinator: W. Straw, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982

Oscar Rose Junior College
6420 S.E. 15th St.
Midwest City, Oklahoma 73110
Medical Director: L.G. Hill, MD
Program Director: J.A. Jeskey, RT
Educational Coordinator: B.G. Bryant, RT(ARRT)
Prereq: H.S. **Class Cap.:** 92 **Begins:** Aug **Length:** 24 mos **Tuition:** $8 Cr Hr Res $23 Non-Res **Awards:** A.A.S **Next Survey:** 1980
Affiliates: St. Anthony Hospital, Deaconess Hospital, South Community Hospital, Hillcrest Hospital, Okla. Children's Memorial Hospital, all in Oklahoma City; Midwest City Hospital, Midwest City; Norman Municipal Hospital, Norman; Moore Municipal Hospital, Moore

Baptist Medical Center of Oklahoma
3300 N.W. Expressway
Oklahoma City, Oklahoma 73112
Program Director: G.B. Carter, MD
Educational Coordinator: J.R. Morton, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Mercy Health Center
4300 W. Memorial Rd.
Oklahoma City, Oklahoma 73120
Medical Director: D.G. Rogers, MD
Educational Coordinator: D.G. Nichols, MEd, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Presbyterian Hospital
NE 13th Street at Lincoln Blvd
Oklahoma City, Oklahoma 73104
Program Director: E.H. Kalmon, MD
Educational Coordinator: S.E. Johnson, BSRT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $75 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Oklahoma City Clinic; Children's Hospital;

University of Oklahoma, Health Sciences Center
801 NE 13th
Oklahoma City, Oklahoma 7[illegible]0
Medical Director: E. Lachma[illegible] MD
Program Director: B.M. Curc[illegible] RT(ARRT)
Prereq: 2 Yrs **Class Cap.:** 1[illegible] **Begins:** Aug **Length:** 48 mos **Tuition:** $18 [illegible]Hr Res $51 Non-Res **Awards:** B.S. **$A[illegible]** Scholarship **Next Survey:** 1984
Affiliates: University Hospital and Clinics; Okla. Childrens Memorial Hospital; VA Hospital; Okla. Medical Research Foundation; University Family Medicine Clinic; Mercy Health Center;

Hillcrest Medical Center
1120 S. Utica
Tulsa, Oklahoma 74104
Program Director: D.B. Lhevine, MD
Educational Coordinator: K.M. Bull, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Tulsa Junior College
909 S. Boston Ave.
Tulsa, Oklahoma 74119
Medical Director: R.J. Wallace, MD
Program Director: R. Boodt, BS, RT(ARRT)
Educational Coordinator: R. Weitze, RT(ARRT)
Prereq: H.S. **Class Cap.:** 80 **Begins:** Jun **Length:** 24 mos **Tuition:** $9 Sem Hr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Francis Hospital; St. John Medical Center, Inc.; Doctor's Hospital; Oklahoma Osteopathic Hospital;

OREGON

Albany General Hospital
1046 W. Sixth Ave.
Albany, Oregon 97321
Program Director: W.E. Purnell, MD
Educational Coordinator: R.E. Shanahan, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Salem Memorial Hospital, Salem

Oregon Institute of Technology
3201 Campus Drive
Klamath Falls, Oregon 97601
Medical Director: J. Gerhsidt
Medical Director: D. Matthews, MD
Program Director: J. Ogborn, RT(ARRT)
Prereq: H.S. **Class Cap.:** 134 **Begins:** Sep **Length:** 30 mos **Tuition:** $242 Qtr Res$825 Non-Res **Awards:** A.A.S B.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: St. Luke's General Hosp., Bellingham, Wash.; General Hosp. of Everett, Everett, Wash.; Presbyterian Intercommunity Hosp., Rogue Valley Memorial Hosp., Medofrd; St. Luke's Hosp. Med. Ctr., Phoenix, Ariz.; Tucson Med. Ctr., Tucson, Ariz.; V.A. Hosp., Vancouver, Wash.; Skaget Valley Hosp., Mt. Vernon, Wash.; Bay Area Hosp., Coos Bay; St. John's Hosp., Longview, Wash.; Douglas Community Hosp., Rosanburg; Josephine General Hosp., Grants Pass; Kadler Hosp., Richland, Wash.; St. Mary Community Hosp., Walla Walla, Wash.; St. Luke's Memorial Hosp., Spokane, Wash.; Providence Hosp., Everett, Wash.; Mercy Medical Center, Roseburg; St. Charles Med. Ctr., Bend; United General Hosp., Sedro Valley; Souther Oregon General Hosp., Grants Pass

Portland Community College
12000 S. W. 49th Ave.
Portland, Oregon 97219
Medical Director: A.L. Steves, MD
Program Director: B.L. Palmer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 168 **Begins:** Sep **Length:** 28 mos **Tuition:** $132 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St. Vincent Hospital; Univ. of Oregon Med. School; Providence Hospital; Portland Adventist Hospital; Physicians & Surgeons Hospital; Good Samaritan Hospital; Emanuel Hospital

PENNSYLVANIA

Abington Memorial Hospital
1200 Old York Rd.
Abington, Pennsylvania 19001
Medical Director: C.H. Sillars, MD
Program Director: R.M. Stauffer, RT
Educational Coordinator: J.E. Mackie, RT(ARRT)
Prereq: H.S. **Class Cap.:** 38 **Begins:** Jul **Length:** 24 mos **Tuition:** $325 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Montgomery County Community College, Blue Bell;

Aliquippa Hospital
2500 Hospital Dr.
Aliquippa, Pennsylvania 15001
Medical Director: B. Fuchs, MD
Program Director: W.D. Lockhart, RT(ARRT)
Educational Coordinator: L.D. Guraly, RT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Presbyterian Hospital, Pittsburgh; Children's Hospital, Pittsburgh; St. Francis General Hosp., Pittsburgh

Allentown Hospital Association
17th & Chew Sts.
Allentown, Pennsylvania 18102
Program Director: C.E. Sieger, MD
Educational Coordinator: C.W. Natterman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Altoona Hospital
7th & Howard Ave.
Altoona, Pennsylvania 16603
Program Director: M. Harris, MD
Educational Coordinator: C. Daski, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Mercy Hospital
2500 Seventh Avenue
Altoona, Pennsylvania 16603
Program Director: C.A. Sutton, MD
Educational Coordinator: H. Ritchey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $175 **Awards:** Cert. **Next Survey:** 1978

Northampton County Area Community College
3835 Green Pond Rd.
Bethlehem, Pennsylvania 18017
Medical Director: F. Ensminger
Program Director: G.S. Wogenrich, RT(ARRT)
Prereq: H.S. **Class Cap.:** 84 **Begins:** Sep **Length:** 27 mos **Tuition:** $22 Cr **Awards:** A.A.S **Next Survey:** 1979
Affiliates: Allentown Sacred Heart Hosp. Center, Allentown; Sacred Heart Hosp.,Allentown; Easton Hosp., Easton; St. Luke's Hosp.

Bradford Hospital
116-156 Interstate Parkway
Bradford, Pennsylvania 16701
Medical Director: M.L. Obetz, MD
Educational Coordinator: R.J. Esposito, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Length:** 24 mos **Tuition:** $500 yr **Awards:** Cert. **Next Survey:** 1983

Bryn Mawr Hospital
Bryn Mawr Ave.
Bryn Mawr, Pennsylvania 19010
Medical Director: H.H. Steinmeyer, Jr, MD
Program Director: D.A. Swenda, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1980

Holy Spirit Hospital
N. 21st St.
Camp Hill, Pennsylvania 17011
Medical Director: F.J. Gallia, MD
Program Director: B. Kunkel, MD
Educational Coordinator: Sr. R. Radle, RT(ARRT)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Carlisle Hospital
224 Parker St.
Carlisle, Pennsylvania 17013
Medical Director: C.T. Rotz, MD
Program Director: R.M. Caldwell, BS, RT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Crozer-Chester Medical Center
15th St. & Upland Ave.
Chester, Pennsylvania 19013
Medical Director: M.J. Blocklyn, MD
Medical Director: W.H. Green, MD
Program Director: R.E. Branson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 35 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Sacred Heart General Hospital
Ninth & Wilson Sts.
Chester, Pennsylvania 19013
Medical Director: J. Kaufman, MD
Program Director: C.A. Drury, RT(R)(ARRT)
Educational Coordinator: C.A. Drury, RTR
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Crozer-Chester Medical Center;

Coatesville Hospital
300 Strode Ave.
Coatesville, Pennsylvania 19320
Medical Director: J.J. Holstein, MD
Educational Coordinator: N.J. Ganter, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Widener College, Chester

College Misericordia
Dallas, Pennsylvania 18612
Medical Director: Sr. Burgholzer, RSM, PhD
Program Director: G.R. Staats, BS
Educational Coordinator: M.J.F. Grieco, RT(ARRT)
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep **Length:** 24 mos **Tuition:** $2050 Yr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mercy Hospital, Scranton; Moses Taylor Hospital, Scranton; VA Hospital, Wilkes Barre; Nesbitt Memorial Hospital, Kingston; Mercy Hospital, Wilkes Barre

Geisinger Medical Center
North American Avenue
Danville, Pennsylvania 17821
Medical Director: T.L. O'Rourke, MD
Program Director: F.H. Betz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Mercy Catholic Medical Center
Lansdowne Ave. & Baily Rd.
Darby, Pennsylvania 19023
Medical Director: J.J. Holstein, MD
Program Director: D.J. Ritchie, MD
Educational Coordinator: M.M. Minnick, RT(ARRT)
Prereq: H.S. **Class Cap.:** 42 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Doylestown Hospital
595 West State St.
Doylestown, Pennsylvania 18901
Program Director: D.E. Parlee, MD
Educational Coordinator: J.E. Mackie, RT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1979

Rolling Hill Hospital & Diagnostic Center
60 E. Township Line Rd.
Elkins Park, Pennsylvania 19117
Medical Director: B.P. Aldeman, MD
Program Director: C.E. Coleman, RT,AS(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Hamot Medical Center
201 State St.
Erie, Pennsylvania 16512
Program Director: J.S. Krohmer, PhD
Medical Director: H.L. Hudson, MD
Educational Coordinator: P. Sharp, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $75 Cr Hr **Awards:** Degre **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Gannon College

Saint Vincent Health Center
232 W. 25th St.
Erie, Pennsylvania 16544
Medical Director: D.M. Schlabach, MD
Program Director: J.S. Krohmer, PhD
Educational Coordinator: D. Neiner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $2250 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Gannon College

Franklin Hospital
1 Spruce St.
Franklin, Pennsylvania 16323
Medical Director: T.A. Gardner, MD
Program Director: D. Frankenberger, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Harrisburg Hospital
South Front St.
Harrisburg, Pennsylvania 17101
Program Director: D.R. Buxton Jr., MD
Educational Coordinator: D.K. Rill, RTR(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Harrisburg Polyclinic Hospital
Third St. & Polyclinic Ave.
Harrisburg, Pennsylvania 17105
Program Director: T.A. Tristan, MD
Educational Coordinator: R.W. Horner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Joseph Hospital
687 N. Church St.
Hazleton, Pennsylvania 18201
Program Director: E.L. Dessen, MD
Educational Coordinator: Sr. M. Renata, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Milton S. Hershey Medical Center Hospital
500 University Dr.
Hershey, Pennsylvania 17033
Program Director: W.A. Weidner, MD
Educational Coordinator: S.F. Hulse, BSRT
Prereq: H.S. **Class Cap.:** 17 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1980

Monsour Hospital and Clinic
70 Lincoln Way East
Jeanette, Pennsylviana 15644
Program Director: M. Naseem, MD
Educational Coordinator: G. Mongelluzzo, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Nov **Length:** 24 mos **Tuition:** $600 **Awards:** Diplo **Next Survey:** 1979
Affiliates: Children's Hospital, Pittsburgh; Montefiore Hospital, Pittsburgh; Westmoreland Hospital, Greensburg;

Conemaugh Valley Memorial Hospital
1086 Franklin St.
Johnstown, Pennsylvania 15905
Medical Director: J.W. Wilson, MD
Program Director: D.W. Wilder, MD
Educational Coordinator: W.J. Weeks, RT
Prereq: H.S. **Class Cap.:** 26 **Begins:** Jan **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1980

Lee Hospital
320 Main St.
Johnstown, Pennsylvania 15901
Medical Director: W.E. Palmer, MD
Program Director: M. Jenoriki, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Armstrong County Memorial Hospital
Kittanning, Pennsylvania 16201
Medical Director: W.E. Jones, MD
Program Director: R. Zajac, RT(ARRT)
Educational Coordinator: L. Snyder, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $300 Yr **Awards:** Cert. **Next Survey:** 1980

Lancaster General Hospital
555 N. Duke St.
Lancaster, Pennsylvania 17604
Medical Director: W.W. Young, MD
Program Director: J.A. Olley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $350 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Joseph Hospital
250 College Ave.
Lancaster, Pennsylvania 17604
Program Director: R.A. Bernhard, MD
Educational Coordinator: P.A. VanAulen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1980

Ohio Valley General Hospital
Heckel Rd.
McKees Rocks, Pennsylvania 15136
Medical Director: N.B. Tannehill, MD
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun
Length: 24 mos **Tuition:** $350 2 Yrs **Awards:** Cert. **Next Survey:** 1981
Affiliates: Montefiore Hospital, Pittsburgh; Children's Hospital, Pittsburgh

McKeesport Hospital
1500 Fifth Ave.
McKeesport, Pennsylvania 15132
Program Director: W.B. McAvoy, MD
Educational Coordinator: G.M. Walker, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Holy Redeemer Hospital
1648 Huntingdon Pike
Meadowbrook, Pennsylvania 19046
Program Director: R.L. Tondreau, MD
Educational Coordinator: J.R. Stephenson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Montgomery County Commumity College, Blue Bell; American Oncologic Hospital, Philadelphia;

Allegheny Valley Hospital
1301 Carlisle St.
Natrona Heights, Pennsylvania 15065
Program Director: R. Stockdale, MD
Educational Coordinator: J.A. Feder, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun
Length: 24 mos **Tuition:** $350 **Awards:** Cert.
Next Survey: 1980

Montgomery Hospital
Powell & Fornance Sts.
Norristown, Pennsylvania 19401
Program Director: P.N. Angstadt, MD
Educational Coordinator: D.L. Smith, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Nov
Length: 24 mos **Tuition:** $200 **Awards:** Cert.
Next Survey: 1980

Sacred Heart Hospital
1430 DeKalb St.
Norristown, Pennsylvania 19401
Medical Director: H.M. Weiner, MD
Program Director: Sr. M. Engelinde, RT(ARRT)
Educational Coordinator: F. Williams, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul
Length: 24 mos **Tuition:** $200 2-Yrs **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Albert Einstein Medical Center-Northern Division
York & Tabor Rds.
Philadelphia, Pennsylvania 19141
Program Director: B.J. Ostrum, MD
Educational Coordinator: E. Spiro, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep
Length: 24 mos **Tuition:** $250 **Awards:** Cert.
Next Survey: 1979

Chestnut Hill Hospital
8835 Germantown Ave.
Philadelphia, Pennsylvania 19118
Medical Director: T.G. Daughtridge, MD
Program Director: M.N. Fulmer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jul
Length: 24 mos **Tuition:** $146 Sem Res$296 Non-Res$50 SemHosp. **Awards:** Cert. **Next Survey:** 1981
Affiliates: Thomas Jefferson University Hospital; Montgomery County Community College, Lansdale;

Community College of Philadelphia
34 S. 11th St.
Philadelphia, Pennsylvania 19107
Medical Director: H.B. Oates, MD
Program Director: R.E. Campbell, MD
Educational Coordinator: W. Wesolowski, RT(ARRT)
Prereq: H.S. **Class Cap.:** 92 **Begins:** Jul
Length: 24 mos **Tuition:** $243 Sem **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Graduate Hospital; Pennsylvania Hospital; St. Agnes Hospital; Presbyterian-Univ of Penn Medical Center;

Episcopal Hospital
Front St. & Lehigh Ave.
Philadelphia, Pennsylvania 19125
Medical Director: S. Berger, MD
Program Director: J. Leggieri, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $250 **Awards:** Cert.
Next Survey: 1980

Germantown Dispensary & Hospital
E. Penn & Wister Sts.
Philadelphia, Pennsylvania 19144
Program Director: E.A. D'Orazio, MD
Educational Coordinator: B.L. Ehly, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $250 2 Yrs **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

Hahnemann Medical College & Hospital
230 N. Broad St.
Philadelphia, Pennsylvania 19102
Program Director: M.E. Haskin, MD
Educational Coordinator: M.D. Thoroughgood, RT(ARRT)
Prereq: H.S. **Class Cap.:** 36 **Begins:** Aug
Length: 24 mos **Tuition:** $350 Yr **Awards:** Cert. A.S. **Next Survey:** 1981

Hospital of the University of Pennsylvania
3400 Spruce St.
Philadelphia, Pennsylvania 19104
Medical Advisor: M. Banner, MD
Educational Coordinator: O. Turianska, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jul
Length: 24 mos **Tuition:** $600 **Awards:** Cert.
Next Survey: 1979

La[illegible]nau Hospital
Lancaster Ave.
Philadelphia, Pennsylvania 19151
Program Director: G.T. Wohl, MD
Educational Coordinator: J.A. Zacharko, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Murrell Dobbins Area Vocational Technical School
22nd St. & Lehigh Ave.
Philadelphia, Pennsylvania 19132
Program Director: E. Magliocco, Principal
Educational Coordinator: K. Lee, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** Varies **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Medical College of Pennsylvania; Veteran's Administration Hospital;

Nazareth Hospital
2601 Holme Ave
Philadelphia, Pennsylvania 19152
Program Director: J.C. Beres, MD
Educational Coordinator: R. Hicks, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** $250 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1978

St. Joseph's Hospital
16th & Girard Ave.
Philadelphia, Pennsylvania 19130
Program Director: J.J. Boyle, MD
Educational Coordinator: Sr. M. Deborah, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 24 mos **Tuition:** $600 Sem **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Temple University
3307 N. Broad St.
Philadelphia, Pennsylvania 19140
Medical Director: M.S. Lapayowker, MD
Educational Coordinator: J. Carey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1980

Thomas Jefferson University
11th & Walnut Sts.
Philadelphia, Pennsylvania 19107
Medical Director: L. Kerms, MD
Medical Director: J. Edeiken,MD
Educational Coordinator: L.A. Walker, RT(ARRT)
Prereq: 2 Yrs Coll **Class Cap.:** 44 **Begins:** Sep **Length:** 24 mos **Tuition:** $3400 Yr
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1980

Veterans Administration Hospital
University at Woodland Aves.
Philadelphia, Pennsylvania 19104
Medical Director: V. Gohel, MD
Program Director: E.L. Bundick, RT(ARRT)
Educational Coordinator: W.S. Scott, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Mar
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Hospital of the University of Pennsylvania; Children's Hospital;

Mercy Hospital of Pittsburgh
1400 Locust St.
Pittsburgh, Pennsylvania 15219
Medical Director: E.J. Pavsek, MD
Program Director: R.C. Miller, RT(ARRT)
Educational Coordinator: L. McHenry, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep
Length: 24 mos **Tuition:** $500 **Awards:** Cert.A.A.S. **Next Survey:** 1981

Montefiore Hospital
3459 Fifth Ave.
Pittsburgh, Pennsylvania 15213
Medical Director: H.W. Friedman, MD
Program Director: M. Boehnke, MD
Educational Coordinator: P. Myers, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Oct
Length: 24 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Children's Hospital of Pittsburgh

Presbyterian-University Hospital
Desota @ O'Hara Sts.
Pittsburgh, Pennsylvania 15213
Program Director: D.L. Herbert, MBBS
Educational Coordinator: I.G. Kingsley, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Jul
Length: 24 mos **Tuition:** $400 2-Yrs **Awards:** Cert. **Next Survey:** 1978
Affiliates: Children's Hospital of Pittsburgh; Magee-Women's Hospital

Robert Morris College
610 Fifth Ave.
Pittsburgh, Pennsylvania 15219
Medical Director: T.H. Childs, MD
Program Director: N.M. Gibson, MA
Educational Coordinator: M.G. Spisak, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun
Length: 30 mos **Tuition:** $65 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey.** 1978
Affiliates: Allegheny General Hospital

Shadyside Hospital
5230 Centre Ave.
Pittsburgh, Pennsylvania 15232
Program Director: M.H. Wholey, MD
Educational Coordinator: K.V. Pyles, RT(ARRT)
Prereq: H.S. **Class Cap.:** 17 **Begins:** Sep
Length: 27 mos **Tuition:** $500 Hosp. $36 Cr Hr Univ **Awards:** Cert. **$Aid:** Scholarship
Next Survey: 1980
Affiliates: Pennsylvania State University, New Kensington;

Western Pennsylvania Hospital
4800 Friendship Ave.
Pittsburgh, Pennsylvania 15224
Medical Director: W.S. Mellon, Jr, MD
Program Director: S. Mendicino, RT(ARRT)
Educational Coordinator: C.M. Rowe, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 27 mos **Tuition:** $500 2 Yrs **Awards:** Cert. **Next Survey:** 1981
Affiliates: Penn State University - New Kensington Campus; Mercy Hospital; Shadyside Hospital;

Pottsville Hospital & Warne Clinic
Mauch Chunk and Jackson Sts.
Pottsville, Pennsylvania 17901
Program Director: C.C. Barclay, MD
Educational Coordinator: J. Horan, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Community General Hospital
145 N. Sixth St.
Reading, Pennsylvania 19601
Program Director: J.L. Stolz, MD
Educational Coordinator: T.M. Tucci, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul
Length: 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

Reading Hospital and Medical Center
Sixth & Spruce Sts.
Reading, Pennsylvania 19603
Program Director: H.E. Yeagley, MD
Educational Coordinator: J.L. Sandel, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $50 Qtr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Saint Joseph Hospital
P. O. Box 316
Reading, Pennsylvania 19603
Program Director: A.J. Strauss, MD
Educational Coordinator: J. Arentz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul
Length: 24 mos **Tuition:** $150 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1981

Medical Center of Beaver County, Inc.
Hull St.
Rochester, Pennsylvania 15074
Program Director: W.E. Conrady, MD
Educational Coordinator: J. Kosto, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Children's Hospital of Pittsburgh, Pittsburgh; Presbyterian-University Hospital, Pittsburgh

Robert Packer Hospital
Guthrie Square
Sayre, Pennsylvania 18840
Director: J.T. Littleton, MD
Director: J.J. Grazul, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $200 **Awards:** Cert.
Next Survey: 1979

Community Medical Center
1822 Mulberry St.
Scranton, Pennsylvania 18501
Program Director: J.J. Witowski, MD
Educational Coordinator: B. Brush, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Scranton State General Hospital
205 Mulberry St.
Scranton, Pennsylvania 18501
Program Director: J. Witowski, MD
Educational Coordinator: J. Fagnani, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

Sewickley Valley Hospital
Blackburn Rd.
Sewickley, Pennsylvania 15143
Medical Director: P.M. Feltwell, Jr, MD
Educational Coordinator: R.A. Bonnette, RT,AS
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Sharon General Hospital
740 E. State St.
Sharon, Pennsylvania 16146
Program Director: A.H. Holt, MD
Educational Coordinator: S. Robison, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend ,**Next Survey:** 1980
Affiliates: Youngstown Hospital Association (North Unit), Youngstown, Ohio; St. Elizabeth Hospital, Youngstown, Ohio

Somerset Community Hospital
225 South Center Ave.
Somerset, Pennsylvania 15501
Program Director: A.C. Rice, MD
Educational Coordinator: G.F. Coyle, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** $150 2 Yrs **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

Washington Hospital
155 Wilson Ave.
Washington, Pennsylvania 15301
Medical Director: W.J. McMahon, MD
Program Director: K. Cosgrove, RT(ARRT)
Educational Coordinator: K. Cosgrove, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Montefiore Hospital, Pittsburgh;

Greene County Memorial Hospital
Bonar Ave.
Waynesburg, Pennsylvania 15370
Program Director: R.A. Springer, MD
Educational Coordinator: J.B. Shultz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: West Virginia University Med. Ctr., Morgantown, W. Va.

Wilkes-Barre General Hospital
N. River & Auburn Sts.
Wilkes-Barre, Pennsylvania 19764
Medical Director: R.G. Morris Jr., MD
Program Director: S. Wartella, Jr, MD
Educational Coordinator: G. Danish, RTT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Williamsport Area Community College
1005 West Third St.
Williamsport, Pennsylvania 17701
Medical Director: J.P. Bressler
Program Director: H.J. Machanic, MD
Educational Coordinator: R. Alban, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 24 mos **Tuition:** $330 Sem Res$752 Non-Res **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Williamsport Hospital; Divine Providence Hospital

York Hospital
1001 S. George St.
York, Pennsylvania 17405
Program Director: H.R. Snyder, MD
Educational Coordinator: R.D. Vogler, RTR(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

RHODE ISLAND

Rhode Island Junior College
400 E. Avenue
Warwick, Rhode Island 02886
Program Director: P.P. Cyr, RT(ARRT)
Prereq: H.S. **Class Cap.:** 204 **Begins:** Jun
Length: 24 mos **Tuition:** $200 Sem **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: J.E. Fogarty Mem Hosp, N. Smithfield; Kent Cty Mem Hosp, Warwick; The Mem Hosp, Pawtucket; The Mariam Hosp, Providence; Newport Hosp, Newport; R.I. Hosp, R. Williams Gen Hosp, VA Hosp, St. Joseph's Hosp(two) O.L. of Fatima Unit, O.L. of Providence Unit, Providence; South Cty Hosp, Wakefield; The Woonsocket Hosp, Woonsocket;

SOUTH CAROLINA

Anderson Memorial Hospital
800 N. Fant St.
Anderson, South Carolina 29621
Program Director: A.O. Meredith, MD
Educational Coordinator: C. Hale, RT(ARRT)
Educational Coordinator: G. Nichols, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul
Length: 24 mos **Tuition:** $1000 2-Yrs **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Medical Director: B.F. Lawson, DDS
Program Director: R.P. Chunn, MEd, RTR
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep
Length: 48 mos **Tuition:** $440 Yr **Awards:** A.A.S Cert. **$Aid:** Scholarship **Prereq:** 2 yrs Coll **Class Cap.:** 6 **Begins:** Sep **Length:** 24 mos **Tuition:** $880 Yr$1760 Non Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: VA Hospital; Trident Technical College; Medical University Hospital; Roper Hospital; St. Francis Xavier Hospital;

Midlands Technical College
316 Beltline Blvd.-PO Drawer Q
Columbia, South Carolina 29205
Medical Director: L. Jones
Program Director: G.W. Smith, MD
Educational Coordinator: C.W. Mulkey, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun
Length: 24 mos **Tuition:** $150 Qt **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Richland Memorial Hospital; Lexington County Hospital, Lexington; VA Hospital; S.C. State Hospital;

South Carolina Baptist Hospital
Taylor at Marion
Columbia, South Carolina 29220
Program Director: J.F. Adams, MD
Educational Coordinator: J.H. Speer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jun
Length: 24 mos **Tuition:** $250 2-Yrs **Awards:** Cert. **Next Survey:** 1978

McLeod Memorial Hospital
145 West Cheves St.
Florence, South Carolina 29501
Program Director: C.S. Davis, Jr., MD
Educational Coordinator: T.M. Griggs, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun
Length: 24 mos **Tuition:** $80 Qtr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Bruce Hospital; Florence General Hospital

Greenville Technical College
Box 5616 - Station B
Greenville, South Carolina 29606
Medical Director: J.B. Pressly, MD
Program Director: S.C. Groff, RT(ARRT)M.Ed.
Educational Coordinator: J.B. Clarkson,RT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep
Length: 24 mos **Tuition:** $75 Qtr **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Greenville General Hosp.; St. Francis Hosp.; Oconee Memorial Hosp., Seneca; Greenville Memorial Hosp.

Piedmont Technical College
PO Drawer 1467
Greenwood, South Carolina 29646
Medical Director: J.L. Hudgins
Program Director: J.R. Anger, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $100 **Awards:** A.S.
$Aid: Scholarship **Next Survey:** 1979
Affiliates: Self Memorial Hosp.

Orangeburg-Calhoun TECH College
PO Drawer 1767
Orangeburg, South Carolina 29115
Program Director: J.H. Atwill, Jr, MD
Educational Coordinator: G.S. Stinson, BS, RT(ARRT)
Prereq: H.S. **Class Cap.:** 9 **Begins:** Jun
Length: 24 mos **Tuition:** $100 Se **Awards:** A.A. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Orangeburg Regional Hospital;

York General Hospital
101 Sedgewood Dr.
Rock Hill, South Carolina 29730
Medical Director: W.B. Ward, Jr, MD
Educational Coordinator: C.T. McDaniel, RT(ARRT)
Educational Coordinator: E. Wilson, RT
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep
Length: 24 mos **Tuition:** $90 QtrRes $150 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship
Next Survey: 1978
Affiliates: York Technical College

Spartanburg Technical College
Drawer 4386
Spartanburg, South Carolina 29303
Medical Director: K. Atkins, MD
Program Director: J.S. Featherston, MD
Educational Coordinator: J.R. Meeks, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep
Length: 24 mos **Tuition:** $720 2 Yrs **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Spartanburg General Hospital

SOUTH DAKOTA

St. Luke's Hospital
305 S. State St.
Aberdeen, South Dakota 57401
Program Director: P.R. Leon, MD
Educational Coordinator: D. Goodman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 24 mos **Tuition:** $60 Cr Hr **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Presentation College; Dakota Midland Hospital; Vogele Clinic;

Dakota Wesleyan University-St. Joseph Hospital
University Boulevard
Mitchell, South Dakota 57301
Medical Director: J. Hartung, PhD
Program Director: D.O. Oakland, PhD
Educational Coordinator: J.K. Willis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $2279 Yr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Joseph's Hosp.; Methodist Hosp.

Rapid City Regional Hospital, Inc.
1018 11th St.
Rapid City, South Dakota 57701
Medical Director: G.F. Wood, Jr., MD
Program Director: D. Forde, RT(ARRT)
Educational Coordinator: A. Baldwin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun-Oct **Length:** 24 mos **Tuition:** $600 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

McKennan Hospital
800 E. 21st St.
Sioux Falls, South Dakota 57101
Medical Director: L.J. Larson, MD
Educational Coordinator: K.F. Miller, BSRT
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep **Length:** 24 mos **Tuition:** $800 2 Yrs **Awards:** Cert. **Next Survey:** 1978

Sioux Valley Hospital
1100 S. Euclid
Sioux Falls, South Dakota 57105
Medical Director: B.R. McHardy, MD
Program Director: K. Lee, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jul **Length:** 24 mos **Tuition:** $500 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1978

Sacred Heart Hospital
1000 W. Fourth St.
Yankton, South Dakota 57078
Medical Director: J.P. Steele, MD
Program Director: J.F. Hall, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Aug **Length:** 24 mos **Tuition:** $50 Sem **Awards:** Cert. **Next Survey:** 1981

TENNESSEE

Chattanooga State Technical Community College
4501 Amnicola Hwy.
Chattanooga, Tennessee 37406
Medical Director: O.S. Freeman, MD
Program Director: D.R. Stone, MSRT
Educational Coordinator: G.K. Thurman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 62 **Begins:** Jul **Length:** 24 mos **Tuition:** $84 Qt **Awards:** A.S. **Next Survey:** 1979
Affiliates: Memorial Hospital; Baroness Erlanger Hospital; Bradley Memorial Hospital, Cleveland;

Columbia State Community College
PO Box 670
Columbia, Tennessee 38401
Medical Director: P. Sands, MD
Medical Director: L.R. Nickell, MD
Educational Coordinator: W.R. Buher, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $84 Qt **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Maury County Hospital; Crockett General Hospital, Lawrenceburg; Giles County Hospital, Pulaski; Goodlark General Hospital, Dickson; Rutherford County Hospital, Murfreesboro;

East Tennessee State Univ. Paramedical Center
1000 West E St.
Elizabethton, Tennessee 37643
Medical Director: J.J. Range, MD
Educational Coordinator: J.D. Davis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 76 **Begins:** Jun **Length:** 24 mos **Tuition:** $154 Qt **Awards:** A.A. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Bristol Memorial Hospital, Bristol; Carter Memorial Hospital; Johnson City Memorial Hospital, Johnson City; VA Hospital, Johnson City; Holston Valley Community Hospital, Kingsport

Roane State Community College
Harriman, Tennessee 37748
Medical Director: H.L. Underwood, MD
Program Director: D.N. Porterfield, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun **Length:** 24 mos **Tuition:** $252 Yr **Awards:** A.S. **Next Survey:** 1980
Affiliates: Cumberland Medical Center, Crossville; Chamberlain Memorial Hospital, Rockwood;

Jackson State Community College
P.O. Box 2467
Jackson, Tennessee 38301
Medical Director: C.V. Alexander Jr., MD
Program Director: N.B. McKnight, RT(ARRT)
Medical Director: J.N. Pentecost
Prereq: H.S. **Class Cap.:** 46 **Begins:** Sep **Length:** 27 mos **Tuition:** $84 QtrRes $359 Non-Res **Awards:** A.S. **Next Survey:** 1981
Affiliates: Obion County General Hospital, Union City; Henry County General Hospital, Paris; Jackson-Madison County General Hospital

East Tennessee Baptist Hospital
137 Blount Ave.
Knoxville, Tennessee 37901
Program Director: W.A. Nelson, MD
Educational Coordinator: J.R. Zachary, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

University of Tennessee Memorial Hospital
1924 Alcoa Hwy.
Knoxville, Tennessee 37920
Program Director: P.T. Wooten, MD
Educational Coordinator: L. Trusty, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: University of Tennessee

Blount Memorial Hospital
New Walland Hwy.
Maryville, Tennessee 37801
Medical Director: J.H. Bowan, MD
Program Director: T.A. Mashburn, RT(ARRT)
Educational Coordinator: D.E. Evans, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** $125 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Baptist Memorial Hospital
899 Madison Ave.
Memphis, Tennessee 38146
Medical Director: H.C. Gardner, MD
Program Director: R.B. Marsh, RT(ARRT)
Educational Coordinator: R. Welle, RT(ARRT)
Prereq: H.S. Coll **Class Cap.:** 40 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

Methodist Hospital
1265 Union Ave.
Memphis, Tennessee 38104
Program Director: E.H. Mabry, MD
Educational Coordinator: J.H. Gerstenberger, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979

Shelby State Community College
Box 40568
Memphis, Tennessee 38104
Medical Director: J. Phillips, MD
Program Director: D.S. Hall, MS, RT
Prereq: H.S. **Class Cap.:** 82 **Begins:** Sep **Length:** 24 mos **Tuition:** $336 Yr **Awards:** A.A.S **Next Survey:** 1981
Affiliates: City of Memphis Hospital;

St. Joseph Hospital
220 Overton Ave.
Memphis, Tennessee 38105
Program Director: M.N. Silverman, MD
Educational Coordinator: B.J. Coon, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

The University of Tennessee Center for the Health Sciences
62 South Dunlap
Memphis, Tennessee 38163
Prereq: Coll Reg. + R.T. **Class Cap.:** 60 **Begins:** Sep **Length:** 18 mos **Tuition:** $170 Qtr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: City of Memphis Hospitals; V.A. Hospital

Aquinas Junior College
4210 Harding Place
Nashville, Tennessee 37205
Program Director: D. George, RT(ARRT)
Medical Director: H. Pendergrass, MD
Prereq: H.S. **Class Cap.:** 84 **Begins:** Sep **Length:** 24 mos **Tuition:** $37 Sem Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Baptist Hospital; Saint Thomas Hospital; Vanderbilt Hospital;

Nashville Metropolitan General Hospital
72 Hermitage Ave.
Nashville, Tennessee 37210
Medical Director: C.W. Rogers, MD
Program Director: M. Dozier, RT(ARRT)
Educational Coordinator: L. Campbell, RT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Oct **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

TEXAS

Hendrick Medical Center
19th & Hickory Sts.
Abilene, Texas 79601
Program Director: J. Ramsey, MD
Educational Coordinator: L.J. Chapman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jun **Length:** 24 mos **Tuition:** $1000 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Amarillo College
P.O. Box 447
Amarillo, Texas 79178
Medical Director: W. Dunnagan, MD
Medical Director: J. Sackler, MD
Program Director: B. Crawford, RT(ARRT)
Prereq: H.S. **Class Cap.:** 44 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 Yr **Awards:** A.A.S. **Next Survey:** 1980
Affiliates: High Plains Baptist Hospital; Northwest Texas Hospital; St. Anthony's Hospital; V. A. Hospital

Austin Community College
205 E. 5th St.
Austin, Texas 78701
Medical Director: B.J. Verdermann
Program Director: J. Castillo, RT(ARRT)
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A.S **Next Survey:** 1980
Affiliates: Brackenridge Hosp; Holy Cross Hosp; St. David's Comm Hosp; Seton Med Ctr; Capital Area Radiation & Research Ctr

Austin State Hospital
4110 Guadalupe St.
Austin, Texas 78751
Medical Director: L.H. Laosa, MD
Program Director: J. Benoit, RT(ARRT)
Medical Director: H.E. Holtz, MD
Prereq: H.S. **Class Cap.:** 8 **Begins:** Varies **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982

San Jacinto Methodist Hospital
1101 Decker Dr.
Baytown, Texas 77520
Medical Director: F.A. Quenzer, MD
Educational Coordinator: K. Vinson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jan **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

Lamar University
PO Box 10001 Lamar U Station
Beaumont, Texas 77710
Medical Director: D.N. Buchanen
Medical Director: A. Manske, MD
Program Director: W.D. Short, RT(ARRT)
Prereq: H.S. **Class Cap.:** 48 **Begins:** Jun **Length:** 24 mos **Tuition:** $700 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Orange Memorial Hospital, Orange; St. Mary's Hospital, Port Arthur; Beaumont Medical Surgical Hospital;

The Baptist Hospital of Southeast Texas, Inc.
College @ llth St./P.O. Box l5
Beaumont, Texas 77704
Medical Director: H.M. Lowry, MD
Program Director: C. Nicholas, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Malone and Hogan Hospital
1601 West 11th Place
Big Spring, Texas 79720
Program Director: B. Williams, MD
Educational Coordinator: S. Subia, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug **Length:** 24 mos **Tuition:** $300 **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1978

Texas Southmost College
80 Fort Brown
Brownsville, Texas 78520
Medical Director: D.F. Rios
Program Director: L. Chavez, RT(ARRT)
Educational Coordinator: C. Baker, RT
Prereq: H.S. **Class Cap.:** 38 **Begins:** Jun **Length:** 24 mos **Tuition:** $739 **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Valley Baptist Hospital, Harlingen; McAllen General Hospital, McAllen; Brownsville Medical Center, Brownsville

Del Mar College
Baldwin & Ayers
Corpus Christi, Texas 78404
Medical Director: G.E. Kost
Program Director: J. Albright, MD
Educational Coordinator: G. Sivertson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 48 **Begins:** Jun **Length:** 24 mos **Tuition:** $250 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Memorial Medical Center; Spohn Hospital; Doctor's Hospital; Driscoll Foundation Children's Hospital;

El Centro College
Main & Lamar
Dallas, Texas 75202
Medical Advisor: W.E. Collins, MD
Educational Coordinator: M.G. Watts, RT(ARRT)
Prereq: H.S. **Class Cap.:** 154 **Begins:** Aug **Length:** 24 mos **Tuition:** $125 Sem Res$260 Non-Res **Awards:** A.S. **Next Survey:** 1978
Affiliates: Irving Community Hospital, Irving; Methodist Central Hospital; Parkland Memorial Hospital; Presbyterian Hospital; VA Medical Center; Navarro Memorial Hospital, Corsicana; Medical Arts Clinic of Corsicana, Corsicana; Children's Medical Center; Baylor University Medical Center;

El Paso Community College
432 Frederick
El Paso, Texas 79905
Medical Director: J. Hendrix
Medical Director: G.L. Black, MD
Educational Coordinator: K.J. Hill, RT(ARRT)
Prereq: H.S. **Class Cap.:** 46 **Begins:** May **Length:** 24 mos **Tuition:** $175 Sem **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Hotel Dieu Hosp.; Providence Memorial Hosp.; R.E. Thomason General Hosp.

Academy of Health Sciences
Fort Sam Houston, Texas, 78234
Medical Director: Col. R.O. Hagen, MD
Program Director: Capt. W.B. Johnson, MSC
Educational Coordinator: SFC R.A. Gordon, RT(ARRT)
Prereq: H.S. **Class Cap.:** 450 **Begins:** Varies **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Baylor University, Waco

Univ. of Texas Sch. of Allied Health Sciences/ Galveston College
Galveston, Texas 77550
Medical Director: R.N. Cooley, MD
Educational Coordinator: M.A. Sanderson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 72 **Begins:** Sep **Length:** 31 mos **Tuition:** $72 Sem Res$200 Non-Res **Awards:** A.A.S.Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: University of Texas Medical Branch Hospital; U.S.P.H.S. Hosp., N. Galveston

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Medical Director: R.N. Cooley, MD
Program Director: J. Williams, RT
Educational Coordinator: M.A. Sanderson, RT(ARRT)
Prereq: H.S.. **Class Cap.:** 50 **Begins:** Jul Soph Yr **Length:** 31 mos **Tuition:** $72 Sem Res$200 Non-Res **Awards:** A.A.S Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: The U of T Medical Branch Hospitals; US Public Hlth Hospital; US Public Hlth Hospital, Clear Lake City;

Houston Community College
22 Waugh Drive
Houston, Texas 77007
Medical Director: M. Gray, MD
Program Director: J.L. Schnautz, RT(ARRT)
Medical Director: B.L. Ditto, MEd
Prereq: H.S. **Class Cap.:** 132 **Begins:** Sep **Length:** 24 mos **Tuition:** $492 Yr **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: The Methodist Hosp. of Houston; St. Luke's Episcopal Hosp. and Texas Children's Hosp.; St. Joseph's Hosp.; Harris County Hospital District-Ben Taub General Hosp.

Memorial Hospital System
7600 Beechnut
Houston, Texas 77074
Medical Director: D.W. Cox, MD
Program Director: W.S. Harwell, MD
Educational Coordinator: R.F. Wallace, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Tarrant County Junior College
828 Harwood Rd.
Hurst, Texas 76053
Medical Director: S. Reitman, MD
Program Director: .N. Berg, BS, RT(ARRT)
Medical Director: R. Hawkins
Prereq: H.S. **Class Cap.:** 104 **Begins:** Jul **Length:** 24 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Arlington Memorial Hospital, Arlington; Ft. Worth Osteopathic Hospital; St. Joseph Hospital, Ft. Worth; All Saints Episcopal Hospital, Ft. Worth; Johnson County Memorial Hospital, Cleburne; Harris Hospital, Ft. Worth;

Memorial Hospital
821 Jeffee Dr.
Kermit, Texas 79745
Medical Director: S.G. Demetrio, MD
Program Director: G.W. Dowling, MD
Educational Coordinator: C. Wright, RT(ARRT)
Prereq: H.S. **Class Cap.:** 6 **Begins:** Varies **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Laredo Junior College
West End Washington
Laredo, Texas 78040
Medical Director: T. Deligenis
Educational Coordinator: C. Valle, Jr., RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $127 **Awards:** A.S. **Next Survey:** 1979
Affiliates: Mercy Hospital; Doctor's Hospital

South Plains College
1400 College Ave.
Levelland, Texas 79306
Medical Advisor: R. Smalley, MD
Medical Director: F. Hunt
Educational Coordinator: D.W. Davis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** $4 Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: West Texas Hospial, St. Mary of the Plains Hospital, Highland Hospital, University Hospital, Lubbock;

The Good Shepherd Hospital
621 North Fifth St.
Longview, Texas 75601
Program Director: E.E. Little, Jr, MD
Educational Coordinator: B. Alvis, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Methodist Hospital
3615 19th St.
Lubbock, Texas 79408
Medical Director: P. Duvall, MD
Medical Director: G.M. Jones, MD
Program Director: G.E. Ramsey, RT(ARRT)
Educational Coordinator: R.A. Burns, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Angelina College
P.O. Box 1768
Lufkin, Texas 75901
Medical Director: H.E. McCullough Jr.
Program Director: F.J. Heck, III, RT(ARRT)
Prereq: H.S. **Class Cap.:** 34 **Begins:** Jun **Length:** 24 mos **Tuition:** $625 **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Memorial Hosp.-Kurth Radiation Center; Memorial Hosp., Nacogdoches; Nacogdoches Med. Ctr. Hosp., Nacogdoches; Woodland Heights General Hosp.

Odessa College
P. O. Box 3752
Odessa, Texas 79760
Program Director: S.K. Sharp, RT(ARRT)
Medical Director: L.B. Riley, MEd
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $389 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Medical Center Hospital; Midland Mem Hosp, Midland; Women's & Children's Hosp; Permian Gen Hosp, Andrews;

San Jacinto College
8060 Spencer Hwy.
Pasadena, Texas 77571
Medical Director: T.S. Sewell
Educational Coordinator: M.H. Sackett, RT(ARRT)
Prereq: H.S. **Class Cap.:** 100 **Begins:** Sep **Length:** 24 mos **Tuition:** $350 Yr **Awards:** A.A.S **Next Survey:** 1980
Affiliates: Northshore Medical Plaza, Houston; Pasadena Bayshore Hosp.; Pasadena General Hosp.; Southmore Medical Center; Eastway General Hosp., Houston; Veterans Administration Hosp.

Central Plains General Hospital
2601 Dimmitt Rd.
Plainview, Texas 79072
Program Director: D.R. Bernhardt, MD
Educational Coordinator: V.M. Steelman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jul **Length:** 24 mos **Tuition:** $25 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Methodist Hospital, Lubbock;

Baptist Memorial Hospital
111 Dallas St.
San Antonio, Texas 78286
Director: L. Pena, MD
Program Director: A. Flores, RT
Educational Coordinator: A.Y. Estrada, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **Next Survey:** 1980

St. Philip's College
2111 Nevada St.
San Antonio, Texas 78203
Medical Director: F.P. Williams
Program Director: L. Seitzman, MD
Educational Coordinator: G.S. Gainer, RT(ARRT)
Prereq: H.S. **Class Cap.:** 72 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bexar Cty Hosp; Santa Rosa Med Ctr; S.A. State Chest Hosp; Cancer Ther & Research Ctr; S.W. Texas Methodist Hosp;

D.M. Cogdell Memorial Hospital
Cogdell Center
Snyder, Texas 79549
Medical Advisor: S.H. Merritt, MD
Program Director: S. Camp, RT(ARRT)
Educational Coordinator: B. Poe, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jun **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Hendrick Hospital, Abilene

Wadley Hospital
1000 Pine St.
Texarkana, Texas 75501
Medical Director: C.P. Klein, MD
Program Director: J.C. Geiger, RT(ARRT)
Educational Coordinator: L.G. Hodge, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun **Length:** 24 mos **Tuition:** $150 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

Tyler Junior College
E. 5th St.
Tyler, Texas 75701
Medical Director: F.E. Griffin
Program Director: J. Selman, MD
Educational Coordinator: J.S. Martin, RT(ARRT)
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $4 Sem Hr Res $7 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mother Frances Hosp.; Medical Center Hosp.

Citizens Memorial Hospital
2608 Houston Hwy.
Victoria, Texas 77901
Program Director: M.H. Faykus, MD
Educational Coordinator: P.G. Kurtz, RT(ARRT)
Prereq: H.S. **Class Cap.:** 7 **Begins:** Jul **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

McLellan Community College
1400 College Dr.
Waco, Texas 76708
Medical Director: A. Pollard
Program Director: L.D. James, RT(ARRT)
Prereq: H.S. **Class Cap.:** 56 **Begins:** Sep **Length:** 24 mos **Tuition:** $84 Sem Res$96 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Hillcrest Hospital; Providence Hospital; VA Hospital; VA Center Hospital, Scott & White Hospital & Clinic, Kings Daughters Hospital & Clinic, Sante Fe Hospital, Temple;

Midwestern University
3400 Taft Blvd.
Wichita Falls, Texas 76308
Program Director: A.R. Zembrod, MEd., BS, RT(ARR
Prereq: H.S. **Class Cap.:** 74 **Begins:** Varies **Length:** 24 mos **Tuition:** $4 Hr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Shannon West Texas Memorial Hosp., San Angelo; Doctors Health Facilities, Dallas; Hurst-Euless-Bedford Hosp., Bedford Wichita General Hospital,; Bethania Hospital,

USAF School of Health Care Sciences
Sheppard Air Force Base
Wichita Falls, Texas 76311
Medical Director: H.L. Smitson, MD
Program Director: MSgt R.C. Hone, RT(ARRT), MEd.
Educational Coordinator: SMSgt J. Denny, RT(ARRT)
Prereq: Military **Class Cap.:** 24 **Begins:** Varies **Length:** 24 mos **Tuition:** None **Awards:** A.S. Cert. **Next Survey:** 1978
Affiliates: Midwestern University; U.S.A.F. Hospitals

UTAH

Weber State College
3750 Harrison Blvd.
Ogden, Utah 84408
Medical Director: R. Stringham
Program Director: J. Ward, RT(ARRT)
Educational Coordinator: G. Pales, RT(ARRT)
Prereq: H.S. **Class Cap.:** 76 **Begins:** Sep **Length:** 26 mos **Tuition:** $135 Qtr Res$270 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: McKay-Dee Hosp. Ctr.; St. Benedict's Hosp.; LDS Hosp., Primary Children's Hosp., S.L. City; Lakeview Hosp., South Davis Clinic, Bountiful; Logan Hosp., Logan; Brigham City Hosp., B. City; Weber Cty Hosp., Roy; Ogden Clinic;

Utah Valley Hospital
1034 North 500 West
Provo, Utah 84601
Program Director: B. Chandler, MD
Educational Coordinator: L. Rutschman, RT(ARRT)
Prereq: 1 yr Coll **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $200 2 Yrs **Awards:** Cert. **Next Survey:** 1981

St. Mark's Hospital
3900 South 1200 East
Salt Lake City, Utah 84117
Program Director: R.R. Flynn, MD
Educational Coordinator: P.J. McLean, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Primary Children's Hospital; Latter-Day Saints Hospital

University of Utah Medical Center
College of Medicine
Salt Lake City, Utah 84132
Medical Director: W.A. Mitchell, MD
Program Director: D. Bragg, MD
Educational Coordinator: W.H. Duncan, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul **Length:** 24 mos **Tuition:** $700 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: VA Medical Center; Holy Cross Hospital; Primary Children's Medical Center;

VERMONT

University of Vermont
302 Rowell Building
Burlington, Vermont 05405
Medical Director: R.W. Coon, MD
Program Director: L. Izzo, RT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $1300 Yr Res $3200 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Osteopathic Hosp of Maine, Portland, ME; Fairlawn Hosp, Worcester, MA; M. Hitchcock Mem Hosp, Hanover, NH; Brattleboro Mem Hosp, Brattleboro; Central Vermont Med Ctr, Barre; F. Allen Hosp, Winooski; Med Ctr Hosp of VT; North Country Hosp, Newport; Northwestern Hosp, St. Albans; Putnam Mem Hosp, Bennington; Springfield Hosp, Springfield;

Rutland Hospital, Inc.
160 Allen St.
Rutland, Vermont 05701
Program Director: J.R. Williams, MD
Educational Coordinator: J.A. McCann, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

VIRGINIA

University of Virginia Medical Center
Charlottesville, Virginia 22908
Medical Director: T.E. Keats, MD
Program Director: M.M. Graves, RT(ARRT)
Educational Coordinator: F.H. Garrison, RTT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jul **Length:** 24 mos **Tuition:** $175 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Alleghany Regional Hospital
P.O. Box 627
Clifton Forge, Virginia 24422
Program Director: G.N. Chucker, MD
Educational Coordinator: C. Salyards, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

The Memorial Hospital
142 S. Main St.
Danville, Virginia 24541
Program Director: K. Flora, BS, RTT
Educational Coordinator: C.T. Coleman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $300 **Awards:** Cert. **Next Survey:** 1983

Hampton General Hospital
3120 Victoria Blvd.
Hampton, Virginia 23661
Medical Director: R.C. Otte, MD
Educational Coordinator: L.S. Haggard, RT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

Rockingham Memorial Hospital
738 S. Mason St.
Harrisonburg, Virginia 22801
Medical Director: N.M. Canter Jr, MD
Medical Director: F.W. Gearing, Jr, MD
Educational Coordinator: M.S. Showaiter, RT(ARRT)
Program Director: E. Detwiller, MART
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: James Madison University

Central Virginia Community College
PO Box 4098 Fort Hill Station
Lynchburg, Virginia 24502
Medical Director: P. Fox, MD
Program Director: L.C. Boughamer, RT
Educational Coordinator: R. Wade, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 27 mos **Tuition:** $100 Qtr Res$275 Non-Res **Awards:** A.A.S **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Virginia Baptist Hosp.; Lynchburg General Hosp.

Newport News Public School/Riverside Hospital
500 J. Clyde Morris
Newport News, Virginia 23601
Medical Director: B.L. Roberts, MD
Educational Coordinator: B. James, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 Yr Res $600 Non-Res **Awards:** Cert. **Next Survey:** 1983

DePaul Hospital
150 Kingsley Lane
Norfolk, Virginia 23505
Medical Director: H. Kuehn, MD
Medical Director: B.J. Bonarigo, MD
Educational Coordinator: C.K. Clark, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 24 mos **Tuition:** $350 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Medical Center Hospitals
600 Gresham Dr.
Norfolk, Virginia 23507
Program Director: J. P. Williams, MD
Educational Coordinator: E.J. Gillespie, RT(ARRT)
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 24 mos **Tuition:** $125 2-Yr **Awards:** Cert. **Next Survey:** 1983

Petersburg General Hospital
801 S. Adams St.
Petersburg, Virginia 23803
Program Director: A.M. Ehrenworth, MD
Educational Coordinator: G. Stone, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 24 mos **Tuition:** $250 **Awards:** Cert. **Next Survey:** 1978
Affiliates: Medical College of Virginia, Richmond

Maryview Hospital
3636 High St.
Portsmouth, Virginia 23707
Program Director: F.I. Carr, Jr, MD
Educational Coordinator: L.F. Ford, RT(ARRT)
Prereq: H.S. **Class Cap.:** 22 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: Portsmouth General Hosp.

Naval Regional Medical Center
Portsmouth, Virginia 23708
Medical Director: J.D. Marriott, DR, MC, USN
Program Director: Capt. B.A. McKay, MC, USN
Educational Coordinator: HMC C.J. Zimmerman, USN
Prereq: H.S. **Class Cap.:** 48 **Begins:** Feb-Aug **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend **Next Survey:** 1980

Southwest Virginia Community College
Box #SVCC
Richlands, Virginia 24641
Medical Director: H.V. Hook
Educational Coordinator: R.E. Proffitt, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Sep **Length:** 24 mos **Tuition:** $400 Yr **Awards:** A.A.S **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Clinch Valley Community Hospital; Johnston Memorial Hospital, Abingdon; Smyth County Community Hospital, Marion;

Medical College of Virginia/Virginia Commonwealth University
910 West Franklin St.
Richmond, Virginia 23284
Medical Director: M.C. Beachley, MD
Program Director: C.H. Gerhold, RT(ARRT)
Educational Coordinator: L.B. Kirschner, BSRT
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug **Length:** 24 mos **Tuition:** $845 Yr Res $1690 Non-Res **Awards:** A.S. **Next Survey:** 1979
Affiliates: McGuire Veterans Administration Medical Center

St. Mary's Hospital
5801 Bremo Rd.
Richmond, Virginia 23226
Medical Director: R.F. Calkins, MD
Program Director: J.H. Dawson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Roanoke Memorial Hospital
Belleview at Jefferson St.
Roanoke, Virginia 24009
Medical Director: J.A. Martin, MD
Program Director: E.W. Haynes, RT(ARRT)
Educational Coordinator: J.F. Stakes RT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Virginia Western Community College
3095 Colonial Ave., S.W.
Roanoke, Virginia 24015
Medical Director: J.J. Cooper
Program Director: R. David, RT(ARRT)
Prereq: H.S. **Class Cap.:** 46 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 Qtr **Awards:** A.A.S **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Community Hospital of Roanoke Valley; Lewis-Gale Hospital; Veterans Administration Hospital

Winchester Memorial Hospital
S. Stewart St.
Winchester, Virginia 22601
Program Director: M. Toxopeus, MD
Educational Coordinator: M. Chapman, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

WASHINGTON

Bellevue Community College
3000 Landerholm Circle, NE
Bellevue, Washington 98007
Program Director: J. Belcher, RN
Educational Coordinator: D. Wheeler, RT(ARRT)
Prereq: H.S. **Class Cap.:** 132 **Begins:** Jun **Length:** 24 mos **Tuition:** $394 **Awards:** A.A. **Next Survey:** 1979
Affiliates: Veteran's Administration Hospital; Virginia Mason Clinic; Harborview Medical Center; Providence Medical Center; Swedish Medical Center; University Hospital;

Holy Family Hospital
N. 5633 Lidgerwood Ave.
Spokane, Washington 99207
Program Director: L.E. Crecelius, MD
Educational Coordinator: D.L. Clumpner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1980

Tacoma Community College
5900 S. 12th St.
Tacoma, Washington 98465
Medical Director: D.R. Gengnes
Program Director: R. Domingo, RT(ARRT)
Medical Director: W.S. Jackson, MD
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 27 mos **Tuition:** $100 Qt **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Allenmore Med Ctr; M. Bridge Hosp; Lakewood Gen Hosp; St. Joseph Hosp; Tacoma Gen Hosp; Good Samaritan Hosp, Puyallup;

Wenatchee Valley College
1300 Fifth St.
Wenatchee, Washington 98801
Medical Director: W.C. Johnson,MD
Educational Coordinator: M.R. Dillow, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $102 Qtr Res$396 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Wenatchee Valley Clinic; Central Washington Health Services (Deaconess Hospital); Eye & Ear Hospital;

Yakima Valley College
16th Ave. & Nob Hill Blvd.
Yakima, Washington 98902
Program Director: J.E. Downing, MD
Educational Coordinator: M.L. Reeves, BEd, RT
Medical Director: P.E. Risker, MD
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 30 mos **Tuition:** $9 Cr Hr Res $23 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Yakima Valley Hospital; St. Elizabeth Hospital

WEST VIRGINIA

St. Francis Hospital
519 Donnally St., P.O. Box 471
Charleston, West Virginia 25322
Program Director: P. Francke, MD
Educational Coordinator: H.L. Smith, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Nov-May **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

University of Charleston, Sch of Hlth Sciences
2300 MacCorkle Ave., S.E.
Charleston, West Virginia 25304
Medical Director: A. Goodwin, MD
Program Director: D.J. Goddin, RT(ARRT)
Educational Coordinator: C. Nicolay, BS, RT
Prereq: H.S. **Class Cap.:** 90 **Begins:** Jun **Length:** 24 mos **Tuition:** $46 Sem Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Charleston Area Medical Center; Herbert J. Thomas Memorial Hosp. Assn., South Charleston

United Hospital Center
#3 Hospital Plaza, Rt I9 S.
Clarksburg, West Virginia 26301
Program Director: J.D.H. Wilson, MD
Educational Coordinator: J. Brumage, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978

Memorial General Hospital
1200 Harrison Ave.
Elkins, West Virginia 26241
Program Director: F.H. Abdalla, MD
Director: J.T. Stalnaker
Prereq: H.S. **Class Cap.:** 6 **Begins:** Jan **Length:** 24 mos **Tuition:** $100 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Fairmont General Hospital
1325 Locust Ave.
Fairmont, West Virginia 26554
Program Director: J.C. Turner, MD
Educational Coordinator: W.J. Stanley, RT(ARRRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: West Virginia Medical Center, Morgantown

St. Mary's Hospital
2900 First Ave.
Huntington, West Virginia 25701
Medical Director: H.W. Dransfeld, MD
Program Director: T. Conforti, RT
Educational Coordinator: H.C. Bonham, RT(ARRT)
Prereq: H.S. **Class Cap.:** 46 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survay:** 1983
Affiliates: Cabell-Huntington Hospital;

West Virginia University Hospital
1244 University Hospital
Morgantown, West Virginia 26506
Program Director: O.F. Gabriele, MD
Educational Coordinator: J.A. Skowvron, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979

Camden Clark Memorial Hospital
800 Garfield Avenue
Parkersburg, West Virginia 26101
Program Director: J.M. Carter, MD
Educational Coordinator: R. Taylor, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1983

Parkersburg Community College
Route 5 Box 167A
Parkersburg, West Virginia 26101
Medical Director: M. Okeon, MD
Program Director: J.P. Alonso, RT(ARRT)
Educational Coordinator: J. Bersler, BART
Prereq: H.S. **Class Cap.:** 22 **Begins:** Aug **Length:** 24 mos **Tuition:** $142 Sem **Awards:** A.A.S **Next Survey:** 1980
Affiliates: St. Joseph's Hospital

Williamson Appalachian Regional Hospital
2000 Central Ave.
South Williamson, Kentucky 25661
Program Director: A.E. Levy, MD
Educational Coordinator: B. Bennett, RT(ARRT)
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1978
Affiliates: Southern West Virginia Community College

Stonewall Jackson Memorial Hospital
Route 4, Box 10
Weston, West Virginia 26452
Program Director: R.A. Harron, MD
Educational Coordinator: K.R. Shoaf, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** July **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1984

Ohio Valley Medical Center, Inc.
2000 Eoff St.
Wheeling, West Virginia 26003
Medical Director: J.W. Kennard, MD
Program Director: E.J. Shaw, R(ARRT)
Educational Coordinator: E.J. Shaw, R(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul **Length:** 24 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1980

Wheeling Hospital, Inc.
Medical Park
Wheeling, West Virginia 26003
Medical Director: C.H. Bonnesen, MD
Program Director: W. Burns, MD
Educational Coordinator: M. Kovach, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** None **$Aid:** Stipend **Next Survey:** 1979

WISCONSIN

Beloit Memorial Hospital
1969 W. Hart Rd.
Beloit, Wisconsin 53511
Medical Director: J.L. Babb, MD
Program Director: G. Chalk, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1978

District One Technical Institute
620 West Clairemont Ave.
Eau Claire, Wisconsin 54701
Medical Director: W.J. Boyle, MD
Educational Coordinator: A.B. Bauer
Program Director: Sr. D. Steinfeldt, RT(ARRT)
Prereq: H.S. **Class Cap.:** 26 **Begins:** Aug
Length: 24 mos **Tuition:** $9 Hr $28 nonres
$58out of state **Awards:** A.A.S **$Aid:**
Scholarship **Next Survey:** 1979
Affiliates: Sacred Heart Hospital; St. Joseph's Hospital, Chippewa Falls; Ihle Orthopedic Clinic Ltd.; St. Joseph Hosp, Marshfield;

Luther Hospital
310 Chestnut St.
Eau Claire, Wisconsin 54701
Program Director: T.D. Moberg, MD
Educational Coordinator: P. Shelton, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 24 mos **Tuition:** $350 **Awards:**
Cert. **Next Survey:** 1978
Affiliates: University of Minnesota, Minneaapolis;

St. Agnes Hospital
430 E. Division St.
Fond Du Lac, Wisconsin 54935
Program Director: J. Charles, MD
Educational Coordinator: B.M. Kondro,
RT(ARRT), AA
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jul
Length: 24 mos **Tuition:** $100 **Awards:**
Cert. **Next Survey:** 1982

Bellin Memorial Hospital
PO Box 1700-744 S. Webster Ave
Green Bay, Wisconsin 54305
Program Director: L.H. Edelblute, MD
Educational Coordinator: R. Griswold,
RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug
Length: 24 mos **Tuition:** $150 Yr **Awards:**
Cert. **Next Survey:** 1983
Affiliates: St. Mary's Hospital; St. Vincent's Hospital;

Kenosha Memorial Hospital
6308 Eighth Ave.
Kenosha, Wisconsin 53140
Program Director: J.E. Connolly, MD
Educational Coordinator: C. Llanas, RT(ARRT)
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1979
Affiliates: St. Luke's Hospital, Racine;

St. Catherine's Hospital
3556 Seventh Ave.
Kenosha, Wisconsin 53140
Medical Director: H.A. Bjork, MD
Educational Coordinator: S.J. Holmstrom,
RT(ARRT)
Program Director: Mrs. B. Adelsen, RT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1980

Western Wisconsin Technical Institute
Sixth & Vine Sts.
La Crosse, Wisconsin 54601
Medical Director: G.A. Gundersen, Jr, MD
Medical Director: A.G. Smith
Educational Coordinator: S. Jensen, RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 24 mos **Tuition:** $818 **Awards:**
A.A.S **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Black River Mem Hosp, B.R. Falls; Comm Mem Hosp, Winona; A. Gundersen Med Foundation; Hess Mem Hosp, Mauston; St. Francis Hosp; Tomah Mem Hosp, Tomah; Vernon Mem Hosp, Viroqua; Skemp Grandview Clinic;

Madison General Hospital
202 S. Park St.
Madison, Wisconsin 53715
Program Director: T.L. Carter, MD
Educational Coordinator: K. Fleming, RT(ARRT)
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jul
Length: 24 mos **Tuition:** $450 Yr **Awards:**
Cert. **$Aid:** Stipend **Next Survey:** 1978

St. Marys Hospital Medical Center
707 South Mills St.
Madison, Wisconsin 53715
Medical Director: G.F. Roggensack, MD
Medical Director: I. Knezevic, MD
Educational Coordinator: G.A. Heintz,
RT(ARRT)
Prereq: H.S. **Class Cro.:** 10 **Begins:** Jun
Length: 24 mos **Tuition:** $350 **Awards:** Cert.
Next Survey: 1981

The University of Wisconsin-Madison
220 WARF, 610 North Walnut St.
Madison, Wisconsin 53706
Medical Director: M.E. Peters, MD
Program Director: R. Allen, RT(ARRT)
Educational Coordinator: A. Johns, RT(ARRT)
Prereq: H.S. **Class Cap.:** 246 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1980
Affiliates: Veterans Administration Hospital

St. Joseph's Hospital
611 St. Joseph's Avenue
Marshfield, Wisconsin 54449
Medical Director: T.J. Olsen, MD
Program Director: E.L. Koch, MD
Educational Coordinator: E. Wawrzyniak, RT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul
Length: 24 mos **Tuition:** $700 **Awards:**
Cert. **Next Survey:** 1980

Columbia Hospital
2025 East Newport Ave.
Milwaukee, Wisconsin 53211
Medical Director: R.E. Hinson, MD
Program Director: E. Schliesleder, RT
Educational Coordinator: S. Koepp, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Oct
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1980

Deaconess Hospital
620 N. 19th St.
Milwaukee, Wisconsin 53233
Program Director: R.E. Grossman, MD
Educational Coordinator: S. Gundersen,
RT(ARRT)
Prereq: H.S. **Class Cap.:** 36 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1981
Affiliates: Milwaukee County Medical Complex; Milwaukee Childrens Hospital;

Family Hospital
2711 W. Wells St.
Milwaukee, Wisconsin 53208
Medical Director: M.F. Conmy, MD
Program Director: J. Sterzinger, RTR
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:** A.A.
Cert. **Next Survey:** 1982
Affiliates: St. Josephs Hospital; Concordia College;

Lutheran Hospital of Milwaukee, Inc.
2200 W. Kilbourn Ave.
Milwaukee, Wisconsin 53233
Medical Director: A.F. Rifmut Jr, MD
Educational Coordinator: G.S. Cichon, RT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Oct
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1981
Affiliates: Milwaukee Children's Hospital; Veterans Administration Center, Wood; Milwaukee County General Hospital;

Milwaukee Area Technical College
1015 North 6th Street
Milwaukee, Wisconsin 53203
Medical Director: M.W. Elson, MD
Program Director: R. Heeman, RT(ARRT)
Educational Coordinator: M.D. Vick
Prereq: H.S. **Class Cap.:** 64 **Begins:** Sep
Length: 24 mos **Tuition:** None **Awards:**
A.A.S **Next Survey:** 1980
Affiliates: West Allis Memorial Hospital, West Allis; Community Memorial Hospital, Menomonee Falls;

Milwaukee County Medical Complex
8700 W. Wisconsin Ave.
Milwaukee, Wisconsin 53226
Program Director: K.A. Shaffer, MD
Educational Coordinator: A.M. Slaats,
RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1981

St. Joseph's Hospital
5000 W. Chambers St.
Milwaukee, Wisconsin 53210
Program Director: J.P. Matsis, MD
Educational Coordinator: L. Day, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul
Length: 24 mos **Tuition:** $75 **Awards:** Cert.
Next Survey: 1978

St. Luke's Hospital
2900 W. Oklahoma Ave.
Milwaukee, Wisconsin 53215
Program Director: A.C. Yard, MD
Educational Coordinator: S. Wagner, RT(ARRT)
Prereq: H.S. **Class Cap.:** 18 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1981

St. Mary's Hospital
2323 N. Lake Dr.
Milwaukee, Wisconsin 53211
Medical Director: K.D. Epperson, MD
Program Director: R.D. Daering, RT(ARRT)
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun
Length: 24 mos **Tuition:** None **Awards:**
Cert. **$Aid:** Stipend **Next Survey:** 1978
Affiliates: University of Minnesota, Minneapolis

St. Michael Hospital
2400 W. Villard Ave.
Milwaukee, Wisconsin 53209
Medical Director: H.F. Ibach, MD
Educational Coordinator: D.M. Lawien, RTR
Prereq: H.S. **Class Cap.:** 20 **Begins:** Oct
Length: 24 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1978
Affiliates: St. Joseph's Hospital;

Mercy Medical Center
631 Hazel St.-PO Box 1100
Oshkosh, Wisconsin 54901
Program Director: E.B. Wilson, MD
Educational Coordinator: J.R. Werner,
RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun-
Dec **Length:** 24 mos **Tuition:** $450 **Awards:**
Cert. **$Aid:** Stipend **Next Survey:** 1978

St. Luke's Memorial Hospital
1320 Wisconsin Ave.
Racine, Wisconsin 53403
Medical Director: T.E. Simonsen, MD
Program Director: K. Kumpel, RT(ARRT)
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jul
Length: 24 mos **Tuition:** $115 Yr **Awards:**
Cert. **Next Survey:** 1980

St. Mary's Medical Center, Inc.
3801 Spring St.
Racine, Wisconsin 53405
Medical Director: J.J. Johnson, MD
Medical Director: D.K. Kim, MD
Educational Coordinator: R. Johnson, RT(ARRT)
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 24 mos **Tuition:** $150 2 Yrs **Awards:**
Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: St. Luke's Hospital;

St. Mary's Hospital
1044 Kabel Ave.
Rhinelander, Wisconsin 54501
Medical Director: I.N. Nevin, MD
Educational Coordinator: J. Golner, RT
Educational Coordinator: S.A. Scheeler,
RT(ARRT)
Prereq: H.S. **Class Cap.:** 7 **Begins:** Jun
Length: 24 mos **Tuition:** $50 **Awards:** Cert.
$Aid: Stipend **Next Survey:** 1980

Waukesha Memorial Hospital
725 American Ave.
Waukesha, Wisconsin 53186
Program Director: R.C. Feulner, MD
Educational Coordinator: J.M. Meinholz,
RT(ARRT)
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jul
Length: 24 mos **Tuition:** None **Awards:**
Cert. **$Aid:** Scholarship **Next Survey:** 1978

North Central Technical Institute
1000 Schofield Ave.
Wausau, Wisconsin 54401
Program Director: G.H. Brister, MD
Medical Director: T. Seaman, MA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** $300 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Wausau Hospitals, Inc. (North)

Veterans Administration Medical Center
5000 W. National Ave.
Wood, Wisconsin 53193
Medical Director: G.F. Unger, MD
Program Director: E. Lieske, RT(ARRT)
Educational Coordinator: K.P. Judy, RT(ARRT)
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Milwaukee Children's Hospital, Milwaukee; Milwaukee County Medical Complex, Milwaukee

WYOMING

Laramie County Community College
1400 East College Dr.
Cheyenne, Wyoming 82001
Medical Director: J. Haley Jr, MD
Program Director: Q. Carroll, RT(ARRT)
Educational Coordinator: Q. Carroll, RT(ARRT)
Prereq: H.S. **Class Cap.:** 28 **Begins:** Aug **Length:** 26 mos **Tuition:** $150 Sem **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Memorial Hosp. of Laramie County; DePaul Hosp.; Veterans Administration Hosp.; Ivinson Memorial Hosp., Laramie; Francis & Warren AFB Hospital

West Park County Hospital
707 Sheridan Avenue
Cody, Wyoming 82414
Program Director: M.J. Smith, MD
Educational Coordinator: P.L. Kure, RT(ARRT)
Prereq: H.S. **Class Cap.:** 4 **Begins:** Jan-Jul **Length:** 24 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Respiratory Therapist

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified .
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Medical Director: I. Moustapha, MD
Program Director: E.T. Scruggs, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Mar-Sep **Length:** 24 mos **Tuition:** $300 **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Alabama Hospital; Children's Hospital; Baptist Montclair Hospital; St. Vincent's Hospital

ARIZONA

Biosystems Institute
2526 E. University Dr.
Phoenix, Arizona 85034
Medical Director: R. Williams, MD
Program Director: G. Davis, RRT
Educational Coordinator: G.M. Hawk, RRT
Prereq: 2 Yrs Coll **Class Cap.:** 25 **Begins:** Qtrly **Length:** 6 mos **Tuition:** $2535 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Good Samaritan Hospital; Phoenix Baptist Hospital; Desert Samaritan Hospital, Mesa;

Maricopa Technical Community College
106 E. Washington
Phoenix, Arizona 85004
Medical Director: V. Rowland, MD
Program Director: J.D. Walters, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jul **Length:** 12 mos **Tuition:** $160/Yr **Awards:** A.A. **Next Survey:** 1981
Affiliates: Doctors Hospital; Maricopa County General Hospital; Phoenix General Hospital; Scottsdale Memorial Hospital St. Luke's Hospital

Pima Community College
2202 W. Anklam Rd.
Tucson, Arizona 85709
Medical Director: C.W. Otto, MD
Program Director: P.S. Russ, RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Jun-Aug **Length:** 24 mos **Tuition:** $60 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Tucson General Hospital; Arizona Medical Center; St. Joseph's Hospital; Tucson Medical Center;

ARKANSAS

University of Arkansas Medical Sciences
4301 W. Markham
Little Rock, Arkansas 72204
Medical Director: G. Griggs, MD
Program Director: J.W. Rowland, RRT
Educational Coordinator: E. Lindahl, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 24 mos **Tuition:** $460 Res $1,090 Non-Res **Awards:** A.S. Cert.

CALIFORNIA

Orange Coast College
2701 Fairview Rd.
Costa Mesa, California 92626
Medical Director: E.M. Spiritus, MD
Program Director: H. Chuntz, RRT
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep,Feb **Length:** 21 mos **Tuition:** None Res $375 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Anaheim Memorial Hospital, Anaheim; Hoag Memorial Hospital, Newport Beach; Saddleback Community Hospital, Laguna Hills; Santa Ana/Tustin Community Hospital, Tustin; St. Joseph/Children's Hospital of Orange; UCI Medical Center, Orange;

Grossmont Community College
8800 Grossmont College Dr.
El Cajon, California 92020
Medical Director: K.M. Moser, MD
Program Director: B. Winn, RRT
Educational Coordinator: A.R. Martinez, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** $35 Cr Hr Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Grossmont Hospital, La Mesa; Sharp Hospital, San Diego; Kaiser Permanente Hospital, San Diego; Paradise Valley Hospital; University Hospital, San Diego; Veterans Administration Hospital of San Diego; Villa View Community Hosp., San Diego; Paradise Valley Hosp., National City

Fresno City College
1101 E. University Ave.
Fresno, California 93741
Medical Director: E. Lohne, MD
Program Director: G.L. Ogden, RN,MA
Educational Coordinator: M. Ramay, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Fresno Community Hospital; St. Agnes St. Agnes Medical Center; Valley Children's Hospital & Guidance Clinic; Valley Medical Center; Kaweah-Delta District Hospital, Visalia;

Loma Linda University
Loma Linda, California 92350
Medical Director: R. Sheldon, MD
Program Director: W. Preuit, RRT
Educational Coordinator: P. McDonald, RRT
Prereq: 1 yr Coll **Class Cap.:** 20 **Begins:** Oct **Length:** 11 mos **Tuition:** $3867 Yr **Awards:** A.S. **Prereq:** 1 yr Coll **Class Cap.:** 25 **Begins:** Oct **Length:** 27 mos **Tuition:** $3315 Yr **Awards:** B.S. **Next Survey:** 1983
Affiliates: Loma Linda U. Medical Center

Long Beach City College
4901 E. Carson St.
Long Beach, California 90808
Medical Director: J. Riker, MD
Program Director: L.S. Miller, RRT
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** None Res/$450 Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bauer Hospital, St. Mary Medical Center; Long Beach Community Hospital; Los Alamitos General Hospital, Los Alamitos; Memorial Hospital Medical Center; Pacific Hospital of Long Beach; Veterans Administration Hospital;

Foothill Community College
12345 El Monte Rd.
Los Altos Hills, California 94022
Program Director: J.C. Monroe, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** June **Length:** 24 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: El Camino Hospital, Mountain View; Sequoia Hospital Redwood City; Stanford University Medical Center, Stanford; Good Samaritan Hospital, San Jose; Children's Hospital at Stanford; Santa Clara Valley Medical Center, San Jose; Veterans Administration Hospital, Palo Alto; San Jose Hospital, San Jose; Santa Teresa Community Hospital, San Jose

East Los Angeles College
1301 Brooklyn
Monterey Park, California 91754
Medical Director: R. Eisenberg, MD
Educational Coordinator: P. Powers, RRT
Prereq: H.S. **Class Cap.:** 36 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.S. Cert **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: White Memorial Medical Center; Los Angeles; Los Angeles-USC Medical Center; Huntington Memorial Medical Center, Pasadena; La Vina Hospital, Altadena; Glendale Adventist Medical Center, Glendale; Brotman Memorial Hospital, Culver City

Napa College
2277 Napa Vallejo Hwy.
Napa, California 94558
Program Director: C. Johnson, MD
Educational Coordinator: W. Blair, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 20 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Queen of the Valley Hospital; Vallejo General Hospital, Vallejo; St. Helena Hospital & Health Center, Deerpark; Sonoma Valley Hospital, Sonoma; Kaiser Foundation Hospital, Vallejo;

Butte College
Route 1, Box 183A
Oroville, California 95965
Medical Director: L. Steel, MD
Program Director: D. Mathrole, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: N.T. Enloe Memorial Hospital, Chico; Chico Community Memorial Hospital, Chico; Feather River Hospital, Paradise;

Cosumnes River College
8401 Center Parkway.
Sacramento, California 95823
Medical Director: G. Parsons, MD
Program Director: J. Warman, RRT
Educational Coordinator: S. Mengelkoch, CRTT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** None **Awards:** A.A. **Next Survey:** 1979
Affiliates: Sutter Community Hospitals; University of California, Davis-Sacramento Medical Center; Mercy General Hospital; Roseville Community Hospital, Roseville; Mercy San Juan Hospital, Carmichael;

Skyline College
3300 College Dr.
San Bruno, California 94066
Medical Director: A.R. Hotti, MD
Program Director: S.F. Rowe, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 24 mos **Tuition:** None Res $14 Cr/Non-Res **Awards:** A.A. Cert. **Next Survey:** 1980
Affiliates: San Francisco; Mary's Help Hospital, Daly City; St. Luke's Hospital, San Francisco; Chope Community Hospital, San Mateo; Presbyterian Hospital, San Francisco; Letterman Army Hospital, San Francisco

UCLA Hospital/Santa Monica College
1900 Pico Blvd.
Santa Monica, California 90405
Medical Director: B.J. Shapiro, MD
Program Director: M.A. Welch, Jr, RRT
Educational Coordinator: J.A. Thorsen, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep-Jun **Length:** 24 mos **Tuition:** None **Awards:** A.A. Cert. **Next Survey:** 1983

Santa Rosa Junior College
1501 Mendocino Ave.
Santa Rosa, California 95401
Medical Director: D.W. Cardozo, MD
Program Director: W. Syvertsen, RRT
Educational Coordinator: D. Logan, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 24 mos **Tuition:** $33 Sem Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Santa Rosa Memorial Hospital; Community Hospital of Sonoma County; Healdsburg General Hospital, Healdsburg; Hillcrest Hospital, Petaluma;

El Camino College
16007 Crenshaw
Torrance, California 90506
Medical Director: P.A. Selecky, MD
Program Director: S.M. Baldwin, RRT
Prereq: Coll. Req. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $46 Cr Hr Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Los Angeles Harbor General hospital, Carson; Santa Monica Hospital, Santa Monica; St. John's Hospital, Santa Monica;

Los Angeles Valley College
5800 Fulton Ave.
Van Nuys, California 91401
Medical Director: H.J. Weinstein, MD
Program Director: F.A. Sinsheimer, MPH, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 22 mos **Awards:** Cert A.A. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Encino Hospital, Encino; Northridge Hospital Foundation, Northridge; Valley Presbyterian Hospital; Children's Hospital of Los Angeles, Hollywood; Sherman Oaks Community Hospital, Sherman Oaks;

Ventura College
4667 Telegraph Rd.
Ventura, California 93003
Medical Director: R.F. Fortin, MD
Program Director: T.E. Bishop, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 18 mos **Tuition:** None **Awards:** A.S. **$Aid:** Scholarship
Affiliates: Community Memorial Hospital; General Hospital--Ventura County

Victor Valley Community College
P.O. Drawer 00
Victorville, California 92392
Medical Director: B. Shepard, MD
Program Director: D.F. Kurtz, RRT
Educational Coordinator: D. Gonzalez, RRT
Prereq: H.S. **Begins:** Sep **Length:** 23 mos **Tuition:** None **Awards:** A.S. **$Aid:** Stipend & Scholarship
Affiliates: Victor Valley Hospital; San Bernardino Medical Center, San Bernardino; Saint Bernardines Hospital, San Bernardino; Redlands Community Hospital, Redlands; St. Mary Desert Valley Hospital, Apple Valley;

Mt. San Antonio College
1100 N. Grand Ave.
Walnut, California 91789
Medical Director: C.M. Judge, MD
Program Director: J. Autry, RRT
Educational Coordinator: G. Hicks, RRT
Prereq: H.S. **Class Cap.:** 60 **Begins:** Jun Sep **Length:** 26 mos **Tuition:** $30 Cr Hr Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Inter-Community Hospital at Covina; Santa Teresita Hospital, Duarte; Los Angeles County-USC Medical Center - Women's Hospital Beverly Community Hospital, Montebello; Huntington Memorial Hospital, Pasadena; Pomona Valley Community Hospital, Pomona; San Antonio Community Hospital, Upland; Queen of the Valley Hospital, West Covina; Arcadia Methodist Hospital, Arcadia; Community Hospital of San Gabriel; St. Francis Hospital, Lynwood; LaVina Respiratory Disease Center, Altadena; City of Hope National Medical Center, Duarte; LA County - USC Medical Center - Chest Division; San Dimas Community Hospital, San Dimas; Kaiser Hospital, Fontana;

Rio Hondo College
3600 Workman Mill Rd.
Whittier, California 90608
Medical Director: L. Misuraca, MD
Program Director: R.A. Bartolucci, RRT
Educational Coordinator: E.R.Young, RRT
Prereq: H.S. **Class Cap.:** 32 **Begins:** Jun **Length:** 24 mos **Tuition:** None **Awards:** A.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Presbyterian Intercommunity Hospital; Downey Community Hospital, Downey; USC-LAC Medical Center, -Pediatric Pavilion, -Women's Hospital, LA; USC-LAC Medical Center, LA; Martin-Luther Hospital, Anaheim; U of C, Irvine;

Crafton Hills College
11711 Sand Canyon Road
Yucaipa, California 92399
Medical Director: M. Ross, MD
Program Director: A.L. Kosmatka, RRT
Educational Coordinator: C. Brainard, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $555 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Bernardine's Hospital; San Bernardino County General Hospital; Redlands Community Hospital, Redlands

COLORADO

Community College of Denver - Auraira Campus
1111 W. Colfax Ave.
Denver, Colorado 80204
Medical Director: B. Brian, MD
Program Director: R.W. Thomas, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 21 mos **Tuition:** $169 Sem Res$742 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Luke's Hospital, Denver; St. Joseph's Hospital, Denver

Pueblo Vocational Community College
900 West Orman Avenue
Pueblo, Colorado 81004
Medical Director: D.F. Clark, MD
Program Director: R.F. Clothier, RRT
Educational Coordinator: R. Clothier, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun **Length:** 24 mos **Tuition:** $219 Res $725 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Parkview Epsicopal Hospital; St. Mary-Corwin Hospital;

CONNECTICUT

St. Vincent's Medical Center
2800 Main St.
Bridgeport, Connecticut 06606
Medical Director: G.T. Kiss, MD
Program Director: G.T. Kiss, MD
Educational Coordinator: M. Howard, RRT
Prereq: H.S. **Class Cap.:** 8 **Begins:** Jun **Length:** 23 mos **Tuition:** $750 Yr **Awards:** A.S. Cert. **Next Survey:** 1983
Affiliates: Quinnipiac College, Hamden

Manchester Community College
60 Bidwell St. - P.O. Box 1046
Manchester, Connecticut 06040
Medical Director: T.J. Godar, MD
Program Director: B. Hamernick, RRT
Educational Coordinator: W.P. Rice, RRT
Educational Coordinator: P. Heasley, RRT
Educational Coordinator: D. Watson, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 24 mos **Tuition:** $250 Yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Hartford Hospital, Hartford; St. Francis Hospital, Hartford; Lawrence & Memorial Hospitals, New London

Hospital of St. Raphael
1450 Chapel St.
New Haven, Connecticut 06511
Medical Director: F. Sachs, MD
Medical Director: R.S. Sikand, MD
Program Director: J. Mazzacane, RRT
Educational Coordinator: R.T. Hoyt, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $4000 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Quinnipiac College, Hamden

Yale-New Haven Hospital
789 Howard Ave.
New Haven, Connecticut 06504
Program Director: E.N. Schachter, MD
Educational Coordinator: J.J. Julius, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 22 mos **Tuition:** $2750 Yr **Awards:** A.S. **Next Survey:** 1982
Affiliates: Quinnipiac College, Hamden; Bridgeport Rehabilitation Center, Bridgeport

Norwalk Hospital
24 Stevens St.
Norwalk, Connecticut 06856
Medical Director: S. Nair, MD
Program Director: R. Imbruce, PhD, RRT
Educational Coordinator: D. Selmont, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $177 Sem Res$475 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Norwalk Community College; University of Bridgeport, Bridgeport;

DELAWARE

Delaware Technical Community College
400 Stanton-Christiana Road
Newark, Delaware 19702
Medical Director: G. Henderson, MD
Program Director: R.M. Lang, RRT
Educational Coordinator: R.M. Lang, RRT
Prereq: H.S. **Begins:** Sep **Length:** 21 mos **Tuition:** 539/Yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Wilmington Medical Center

WASHINGTON, D.C.

University of the District of Columbia
4200 Connecticut Ave., N.W.
Washington, D.C. 20008
Medical Director: B. Grand, MD
Program Director: L. Elder, RRT
Educational Coordinator: J.K. Hogan, MS. RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Aug **Length:** 21 mos **Tuition:** $68 Sem Res$578 Non-Res **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Washington Hospital Center; V. A. Hospital; D.C. General Hospital; George Washington University Hospital; Greater S.E. Community Hospital; Children's Hospital; Howard University Hospital

FLORIDA

Broward Community College
225 E. Las Olas Blvd.
Fort Lauderdale, Florida 33301
Medical Director: M. Braunstein, MD
Program Director: K. Finalyson, RRT
Educational Coordinator: E.P. Miller, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Aug **Length:** 22 mos **Tuition:** $120 Sem Res$330 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Broward General Medical Center, Fort Lauderdale; North Ridge General Hospital, Fort Lauderdale; Hollywood Memorial Hospital, Hollywood;

Santa Fe Community College
3000 N.W. 83rd St.
Gainesville, Florida 32601
Medical Director: P.G. Boysen, MD
Program Director: E.A. Scully, MA, RRT
Educational Coordinator: S.M. Durrett, BHS, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $14 Cr Hr **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Alachua General Hospital, Gainesville; North Florida Regional Medical Center, Gainesville; Shands Teaching Hospital and Clinics, Gainesville; Veterans Administration Hospital, Gainesville

Florida Junior College
4501 Capper Rd.
Jacksonville, Florida 32218
Medical Director: G. Olsen, MD
Program Director: E. L. Taylor, RRT
Educational Coordinator: E. L. Taylor, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Aug **Length:** 23 mos **Tuition:** $950 **Awards:** Degre **Next Survey:** 1982
Affiliates: University Hospital of Jacksonville; St. Vincent's Medical Center

Miami-Dade Community College
11011 S.W. 104th St.
Miami Beach, Florida 33176
Medical Director: D. Holaday, MD
Medical Director: W.G. Avery, MD
Program Director: C.J. Miller, BS, RRT
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug **Length:** 24 mos **Tuition:** $14 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: American Hospital, Hialeah Hospital, Jackson Memorial Hospital, Mercy Hospital, Miami Heart Institute, Mount Sinai Hospital, North Miami General, North Shore Hospital, South Miami Hospital;

Florida Technological University
Alafaya Trail PO Box 25000
Orlando, Florida 32816
Medical Director: R.C. Snyder, MD
Program Director: J.S. Lytle, RRT
Director: D.S. Johnson, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 48 mos **Tuition:** $15-17 Hr Res $38-52 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Orange Memorial Hospital; Winter Park Memorial Hospital, Winter Park; Florida Hospital;

Valencia Community College
P.O. Box 3028
Orlando, Florida 32802
Medical Director: R. Snyder, MD
Program Director: L.W. Capraun, RRT
Educational Coordinator: J. Williams, CRTT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 18 mos **Tuition:** $504 Yr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Orlando Regional Medical Center; Lucerne General Hospital;

St. Petersburg Junior College
8580 66th St. N.
St. Petersburg, Florida 33733
Medical Director: W. Richards, MD
Program Director: D.C. Shelley, RRT
Director: D.C. Craddock, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** $125 Tri-Res$325 Non-Res **Awards:** A.S. **Next Survey:** 1982
Affiliates: Morton F. Plant Hosp., Clearwater; All Children's Hosp.; Bayfront Medical Center; Tampa General Hosp., Tampa; Tampa V.A. Hospital, Tampa

GEORGIA

Emory University
Atlanta, Georgia 30322
Medical Director: J.R. Hall, MD
Program Director: W.T. Frazier, MD
Educational Coordinator: S.T. Stewart, MMSc, RRT
Prereq: B.S. B.A. **Class Cap.:** 10 **Begins:** Jul **Length:** 24 mos **Tuition:** $1250 Qtr **Awards:** M.M.S **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Emory University Hospital; Grady Memorial Hospital; Henrietta Egleston Hospital for Children

Georgia State University
University Plaza
Atlanta, Georgia 30303
Medical Director: W.A. Hopkins, MD
Program Director: J.W. Youtsey, RRT
Educational Coordinator: S.P. Pilbeam, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 20 mos **Tuition:** $180 Qtr Res$555 Non-Res **Awards:** A.S. **$Aid:** Scholarship
Prereq: 2 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 18 mos **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Crawford W. Long Memorial Hospital; West Paces Ferry Hospital; Northside Hospital; St. Joseph's Hospital; Piedmont Hospital; Southwest Community Hospital; Georgia Baptist Medical Center;

Medical College of Georgia
1120 15th St.
Augusta, Georgia 30902
Medical Director: J.B. Williams, MD
Program Director: R.W. Beckham, MEd, RRT
Educational Coordinator: L.M. Cominsky, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $186/qt **Awards:** B.S. **$Aid:** Scholarship
Affiliates: Talmadge Memorial Hospital; University Hospital; Doctor's Hospital of Augusta; VA Medical Center;

IDAHO

Boise State University
1910 University Dr.
Boise, Idaho 83725
Medical Director: D.K. Merrick, MD
Program Director: J.R. Jensen, PHD, RRT
Educational Coordinator: L.J. Ashworth, BS, RRT
Prereq: 1 Yr Coll **Class Cap.:** 16 **Begins:** Sep **Length:** 24 mos **Tuition:** $187 Sem Res$780 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Elks Convalescent Hospital; St. Alphonsus Hospital; St. Luke's Hospital; VA Hospital; Caldwell Memorial Hospital, Caldwell; Nampa Medical Center, Nampa;

ILLINOIS

Parkland College
2400 West Bradley Avenue
Champaign, Illinois 61820
Medical Director: J. LeGrand, MD
Program Director: T. DesJardins, RRT
Educational Coordinator: D. Sieber, RRT
Educational Coordinator: T.J. Pforr, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 21 mos **Tuition:** $17 Sem Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Burnham City Hospital; Mercy Hospital, Urbana; Carle Hospital, Urbana

Central YMCA Community College
211 W. Wacker Dr.
Chicago, Illinois 60606
Medical Director: D. Goldfinger, MD
Program Director: R. Cooper, MS, RRT
Educational Coordinator: R.S. Armstrong, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Feb-Sep **Length:** 20 mos **Tuition:** $55 Cr Hr **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Michael Reese Medical Center; Augustana Hospital & Health Care Ctr.; Hines V.A. Hospital, Hines; Cook County Hospital; Thorek Medical Center; Evanston Hospital, Evanston; Bethany Methodist Hospital; University of Illinois Hosp;

Malcolm X College
1900 W. Van Buren St.
Chicago, Illinois 60612
Medical Director: R. Cala, MD
Educational Coordinator: C. Williams, RRT
Educational Coordinator: G. Bajamundi, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 36 mos **Tuition:** $375 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St. Bernard Hospital; St. Anthony Hospital; Mt. Sinai Hospital Medical Center

Northwestern University Medical School
303 E. Chicago Ave.
Chicago, Illinois 60611
Medical Director: B.A. Shapiro, MD
Program Director: R.M. Kacmarek, RRT
Educational Coordinator: S. Dimas, RRT
Prereq: 2 yrs Coll **Class Cap.:** 20 **Begins:** Apr-Oct Jul **Length:** 12 mos **Tuition:** $400 Qtr **Awards:** Cert. **Next Survey:** 1982
Affiliates: Northwestern Memorial Hospital; Children's Memorial Hospital; Rehabilitation Institute of Chicago; V.A. Lakeside Hospital

University of Chicago Hospitals & Clinics
950 E. 59th St.
Chicago, Illinois 60637
Medical Director: C.C. Rattenborg, MD
Program Director: W. Wojciechowski
Educational Coordinator: K. Bretl, CRTT
Prereq: 2 yrs Coll **Class Cap.:** 10 **Begins:** Oct **Length:** 18 mos **Tuition:** $700 **Awards:** Cert. **Next Survey:** 1978

Lutheran Hospital
501 Tenth Ave.
Moline, Illinois 61265
Medical Director: E.M. Peterson, MD
Program Director: C.L. Mc Knight, RRT
Educational Coordinator: T. Watson, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 24 mos **Tuition:** $1250 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Black Hawk College; St. Francis Hospital Medical Center, Peoria; Franciscan Hospital, Rock Island; Iowa Moline Public Hospital; Mercy Hospital, Davenport;

Moraine Valley Community College
10900 S. 88 Ave.
Palos Hills, Illinois 60465
Medical Director: R. Dolehide, MD
Program Director: R.F. Lehner, RRT
Educational Coordinator: T.M. Mikos, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug
Length: 22 mos **Tuition:** $12 Cr Hr Res $50 Non Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Little Company of Mary Hospital, Evergreen Park; Palos Community Hospital, Palos Park; Holy Cross Hospital, Chicago; Ingalls Memorial Hospital, Harvey; South Suburban Hospital, Hazelcrest; Children's Memorial Hospital, Chicago;

Triton College
2000 N. Firth Ave.
River Grove, Illinois 60171
Medical Director: H. Sabbagh, MD
Program Director: J.F. Ryan, RRT
Educational Coordinator: C. Bush, RRT
Prereq: H.S. **Class Cap.:** 50 **Begins:** Sep
Length: 20 mos **Tuition:** $13 Sem Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Mac Neal Memorial Hospital, Berwyn; Resurrection Hospital, Chicago; Children's Memorial Hospital, Chicago; Alexian Brothers Med. Ctr., Elk Grove Village; Veterans Administration Hospital, Hines; Foster G. McGraw Hospital, Maywood; St. Francis Hospital, Evanston; Cook County Hosp., Chicago; Lutheran General Hospital, Pk Ridge;

St. Anthony Hospital Medical Center
5666 E. State St.
Rockford, Illinois 61101
Medical Director: J.R. Foster, MD
Program Director: R.G. Rueckl, RRT
Educational Coordinator: J.R. Sills, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug
Length: 20 mos **Tuition:** $495/Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: St. Anthony Hospital; Swedish American Hospital; Rockford Memorial Hospital; Katherine Shaw Bethea Hospital, Dixon;

Memorial Medical Center
First & Miller Sts.
Springfield, Illinois 62705
Medical Director: L.E. Eagleton, MD
Program Director: M.L. Mark, BS, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep
Length: 24 mos **Tuition:** $12 Sem Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Memorial Medical Center

INDIANA

Deaconess Hospital, Inc.
600 Mary St.
Evansville, Indiana 47747
Medical Director: W.C. Houser, MD
Program Director: A.W. Grubb, EdD
Educational Coordinator: M. Barnes, Jr, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug
Length: 24 mos **Tuition:** $650 Yr **Awards:** A.S. Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Indiana State University; St. Mary's Medical Center

Indiana Univeristy, Northwest Campus
3400 N. Broadway
Gary, Indiana 46308
Medical Director: G. Peifer, MD
Program Director: P.E. Neff, MS, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug
Length: 22 mos **Tuition:** $24 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Methodist Hospital of Gary, Inc.; St. Margaret's Hospital, Hammond

Indiana University School of Medicine
Bryan 200, Office of the Predl
Indianapolis, Indiana 46202
Medical Director: A. LoSasso, MD
Program Director: J.A. Koss, RRT
Educational Coordinator: P.D. Wright, RRT
Prereq: H.S. **Class Cap.:** 21 **Begins:** Aug
Length: 24 mos **Tuition:** $24 Cr Hr Res $55 Non-Res **Awards:** A.S. **Next Survey:** 1979
Affiliates: Winona Hospital; St. Francis Hospital; Veterans Administration Hospital; Wishard Memorial Hospital; University Hospital; Riley Children's Hospital

Vincennes University
1002 N. 1st Street
Vincennes, Indiana 47591
Medical Director: R.H. Stein, MD
Program Director: E.T. Wood, Jr, RRT
Educational Coordinator: J. O'Halla, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Aug
Length: 22 mos **Tuition:** $730 Res $1230 Non-Res **Awards:** A.S. **Next Survey:** 1982
Affiliates: Good Samaritan Hospital, Methodist Hospital, Riley Hospital, Indiana University Hospital, Indianapolis; Union Hospital, Terre Haute; Welborn Hospital, Evansville;

IOWA

Des Moines Area Community College
2006 S. Ankeny Blvd.
Ankeny, Iowa 50021
Medical Director: R. Ortiz, MD
Program Director: K. George, RRT
Educational Coordinator: J. Troy, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep
Length: 24 mos **Tuition:** $600 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Broadlawn Polk County Hospital, Des Moines; Iowa Lutheran Hospital, Des Moines; Veterans Administration Hospital, Des Moines; Northwest Community Hospital, Des Moines; Mercy Hospital, Des Moines; Iowa Methodist Medical Center, Des Moines

Kirkwood Community College
6301 Kirkwood Blvd., S.W.
Cedar Rapids, Iowa 52406
Medical Director: J.E. Kasik, MD
Program Director: J. McCabe, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jun
Length: 24 mos **Tuition:** $160 Res $240 Non-Res **Awards:** A.A.S **Next Survey:** 1980
Affiliates: V.A. Hospital, Iowa City; St. Luke's Methodist Hospital; Mercy Hospital; University Hospital, Iowa City

KANSAS

Hesston College
Hesston, Kansas 67062
Medical Director: G. Vraney, MD
Program Director: W.D. Beachey, RRT
Educational Coordinator: D. Neer, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep
Length: 21 mos **Tuition:** $2250 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Halstead Hosp, Halstead; St. Francis Hosp, Wesley Med Ctr, St. Joseph Hosp, VA Hosp, Wichita; Trinity Lutheran Hosp, Kansas City; Hutchinson Hosp, Hutchinson;

University of Kansas Medical Center
39th St. & Rainbow Blvd.
Kansas City, Kansas 66103
Medical Director: H.S. Mathewson, MD
Program Director: A. Block, MS, RRT
Educational Coordinator: B. Ludwig, BS, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan-Jun Aug **Length:** 22 mos **Tuition:** $265 Sem Res$760 Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: University of Kansas Medical Center

Wichita State University
1845 Fairmount
Wichita, Kansas 67208
Medical Director: D. Hart, MD
Program Director: D. Felkner, MEd, RRT
Educational Coordinator: C.S. Cornfield, RRT
Prereq: 1 Yr Coll **Class Cap.:** 25 **Begins:** Aug **Length:** 12 mos **Tuition:** $361 Sem Res$856 Non-Res **Awards:** A.S. **Next Survey:** 1982
Affiliates: St. Francis Hospital; Wesley Medical Center; VA Hospital; St. Joseph Medical Center; Osteopathic Hospital;

KENTUCKY

Lexington Technical Institute/U of K Comm. Coll. System
Oswald Building, Cooper Dr.
Lexington, Kentucky 40506
Medical Director: P. Mayo, MD
Program Director: F.A. Roberts, III, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Aug
Length: 21 mos **Tuition:** $276 Sem Res$750 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: St. Joseph Hospital; Veterans Administration Hospital; Central Baptist Hospital; University of Kentucky Medical Center

U of KY/Jefferson Comm. Coll./U of Louisville Health Sciences Ctr
P.O. Box 1036
Louisville, Kentucky 40201
Medical Director: W. Anderson, MD
Program Director: W.A. French, MA, RRT
Educational Coordinator: W.A. French, MA, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 21 mos **Tuition:** $195 Sem Res$490 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Louisville General Hospital; St. Anthony Hospital; Jewish Hospital; Norton-Childrens Hospitals, Inc.; Kentucky Baptist Hospital

LOUISIANA

Alton Ochsner Medical Foundation
1516 Jefferson Hwy.
New Orleans, Louisiana 70121
Medical Director: S. Welborn, MD
Program Director: E. Orr, RRT
Educational Coordinator: M. Buford, RRT
Prereq: 2 Yrs Coll **Class Cap.:** 15 **Begins:** Sep
Length: 36 mos **Tuition:** $225 Yr
Awards: Cert. **Next Survey:** 1981
Affiliates: University of New Orleans; Spring Hill College, Mobile, Alabama

Delgado College
615 City Park Ave.
New Orleans, Louisiana 70119
Program Director: R. Klein, MD
Program Director: J.L. Clinton, CRTT
Educational Coordinator: T.L. Forrette
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug
Length: 24 mos **Tuition:** $425 Yr Res $1200 YNon-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Charity Hospital of Louisiana; Tulane Medical Center Hospital; Mercy Hospital

St. Mary's Dominican College
7214 St. Charles Ave.
New Orleans, Louisiana 70118
Medical Director: S.J. Herbert, MD
Program Director: J.C. Shelby, RRT
Educational Coordinator: A. W. Dixon, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan-Aug **Length:** 36 mos **Tuition:** $1800
Awards: B.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Charity Hospital; Touro Infirmary; Children's Hospital

MARYLAND

Community College of Baltimore
2901 Liberty Heights Ave.
Baltimore, Maryland 21215
Medical Director: S. Kaplow, MDD
Program Director: K.E. Broman, RRT
Prereq: H.S. Alge Chem Bio **Class Cap.:** 25
Begins: Sep **Length:** 24 mos **Tuition:** $180 Sem Res$360 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Greater Baltimore Medical Center; Baltimore County General Hospital, Randallstown; The Johns Hopkins University Hospital; Mercy Hospital; Sinai Hospital of Baltimore, Inc.; Union Memorial Hospital; Baltimore City Hospitals;

Columbia Union College
7600 Flower Ave.
Takoma Park, Maryland 20012
Medical Director: J. Mizgerd, MD
Program Director: V.C. Thomas, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 18 mos **Tuition:** $1000 Sem **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Washington Adventist Hospital; Children's National Medical Center, Washington, D.C.

MASSACHUSETTS

North Shore Community College
3 Essex Sreet
Beverly, Massachusetts 01915
Medical Director: N.S. Shore, MD
Program Director: W.W. Goding, RRT
Educational Coordinator: J.M. McGrath, RRT
Tuition: None **Awards:** None **Next Survey:** 1983
Affiliates: Lynn Hospital; Salem Hospital;

Northeastern University
360 Huntington Ave.
Boston, Massachusetts 02115
Medical Director: B.A. Shapiro, MD
Program Director: R.M. Kacmarek, RRT
Educational Coordinator: S. Dimas, RRT
Prereq: H.S. **Class Cap.:** 90 **Begins:** Sep **Length:** 33 mos **Tuition:** $870 Qt **Awards:** A.S. **$Aid:** Scholarship **Prereq:** H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 57 mos **Tuition:** $1182 Qtr **Awards:** B.S. **$Aid:** Scholarship
Affiliates: Beth Israel Hospital; Children's Hospital Medical Center; Massachusetts General Hospital; Newton-Wellesley Hospital, Newton; Peter Ben Brigham Hospital;

Northern Essex Community College
100 Elliott St.
Haverhill, Massachusetts 01830
Medical Director: M.M. Goldstein, MD
Program Director: J. Carver, RRT
Educational Coordinator: G. Caprio, RTT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $150 Res $250 Non-Res **Awards:** A.A. **Next Survey:** 1982
Affiliates: Malden Hospital, Malden;

Springfield Technical Community College
1 Armory Square
Springfield, Massachusetts 01105
Medical Director: T.J. King, MD
Program Director: G. Ponte, RRT
Educational Coordinator: J.T. Howe
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $300 Sem Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Mercy Hospital; Bay State Medical Center - Springfield Unit & Wesson Memorial Unit; Providence Hospital, Holyoke; Holyoke Hospital, Holyoke; Noble Hospital, Westfield

Quinsigamond Community College
670 W. Boylston St.
Worcester, Massachusetts 01606
Medical Director: A.V. Patwardhan, MD
Program Director: C. Williams, RRT
Educational Coordinator: S. Smelewicz, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 22 mos **Tuition:** $300 Sem Res$600 Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: St. Vincent Hospital; Worcester City Hospital; Memorial Hospital; University of Massachusetts Med. Ctr.; Fairlawn Hospital

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MICHIGAN

Washtenaw Community College
4800 E. Huron River Dr.
Ann Arbor, Michigan 48106
Medical Director: J.S. Finch, MD
Program Director: C. Hammond, RRT
Educational Coordinator: M.D. Redick, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 19 mos **Tuition:** $14 Cr Hr Res $27 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: St. Joseph Mercy Hospital; V.A. Hospital; University of Michigan Hospital; Wayne County Hospital, Wayne; Beyer Hospital, Ypsilanti; Mott Children's Hospital

Ferris State College
Big Rapids, Michigan 49307
Medical Director: D.L. Kessler, MD
Program Director: G.K. Dolan, RRT
Educational Coordinator: W.H. Rice, RRT
Prereq: H.S. **Class Cap.:** 45 **Begins:** Sep **Length:** 21 mos **Tuition:** $268 Qtr Res$804 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Butterworth Hospital, Grand Rapids; Blodgett Memorial Hospital, Grand Rapids; Kent Community Hospital, Grand Rapids; Grand Rapids Osteopathic Hospital, Grand Rapids; St. Mary's Hospital, Grand Rapids

Detroit-Macomb Hospitals Association
7815 E. Jefferson Ave.
Detroit, Michigan 48214
Medical Director: R.D. Sphire, MD
Program Director: L.J. Fields, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 20 mos **Tuition:** $15 Cr Hr Res $25 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Bi-County Community Hospital, Warren; Children's Hospital of Michigan; Providence Hospital, Southfield

University of Detroit
4001 W. Mc Nichols
Detroit, Michigan 48221
Medical Director: W.S. Holt, Jr, MD
Program Director: J.D. LaCroix, PhD
Educational Coordinator: M.J. Dillon, RRT
Prereq: B.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 12 mos **Tuition:** $425 Yr **Awards:** Cert. **$Aid:** Scholarship **Prereq:** 3 yrs Coll **Class Cap.:** 25 **Begins:** Sep **Length:** 12 mos **Tuition:** $425 Yr **Awards:** BSRT **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Mount Carmel Mercy Hospital; Henry Ford Hospital

Highland Park Community College
Glendale at Third
Highland Park, Michigan 48203
Medical Director: L.D. Victor, MD
Program Director: J.B. Matthews, RRT
Educational Coordinator: V. Dudley, BS, RRT
Prereq: H.S. **Class Cap.:** 50 **Begins:** Aug **Length:** 24 mos **Tuition:** $16 Cr Hr Res $26 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1984
Affiliates: Detroit Osteopathic Hospital, Highland Park; Harper Grace Hospital, -Central & Northwest Divisions; Hutzel Hospital; Southwest Detroit Hospital;

Lansing Community College
419 N. Capitol Ave.
Lansing, Michigan 48914
Medical Director: S.M. McMahon, MD
Medical Director: J.C. Hall, MD
Program Director: T.J. Stout, RRT
Educational Coordinator: J. Basel, RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 21 mos **Tuition:** $1205 Res $1949 Non-Res **Awards:** Assoc **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: St. Lawrence Hospital; Edward W. Sparrow Hospital; Ingham Medical Center; Lansing General Hospital

North Central Michigan College
One Gas Light Avenue
Petoskey, Michigan 49770
Medical Director: B. Zelt, MD
Program Director: N. Noordam, RRT
Educational Coordinator: R. Kieliszewski, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $12 Cr Hr Res $18 Non-Res **Awards:** A.S. **Next Survey:** 1979
Affiliates: Northern Michigan Hospitals, Petoskey;

MINNESOTA

North Hennepin Community College
7411 85th Ave., N.
Minneapolis, Minnesota 55445
Medical Director: P. Hamann, MD
Program Director: B. Biedinger, RRT
Educational Coordinator: R. Kuhnley, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 21 mos **Tuition:** $12 Cr Hr Res $24 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: North Memorial Medical Center, Robbinsdale;

St. Mary's Junior College
2500 S. Sixth St.
Minneapolis, Minnesota 55454
Medical Director: P. Johnson, MD
Program Director: C.D. Miller, RRT
Educational Coordinator: T. Reilly, RRT
Prereq: Coll. Req. **Class Cap.:** 40 **Begins:** Sep **Length:** 21 mos **Tuition:** $696 Qtr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Mt. Sinai Hospital; Hennepin County Medical Center; St. Joseph's Hospital, St. Paul; St. Paul Ramsey Hospital, St. Paul;

University of Minnesota Hospitals
420 Delaware St. S.E.
Minneapolis, Minnesota 55455
Medical Director: R.H. Larsen, MD
Program Director: P.A. Montague, RRT
Educational Coordinator: R.M. Rinker, RRT
Prereq: H.S. Ent Exam **Class Cap.:** 12 **Begins:** Jan **Length:** 12 mos **Tuition:** $504 Yr **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: University of Minnesota, -Medical School, General College, Hospitals

Rochester State Community College-Mayo Clinc
E. Hwy. 14
Rochester, Minnesota 55901
Medical Director: E.P. Didier, MD
Program Director: K.O. Makinen, PhD
Educational Coordinator: B.P. Gilles, RRT
Educational Coordinator: J. Ward, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 18 mos **Tuition:** $576 Yr Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Rochester Methodist Hospital; Rochester State Hospital; St. Mary's Hospital

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MISSISSIPPI

Hinds Junior College
Raymond Campus
Raymond, Mississippi 39154
Medical Director: J.L. Wofford, MD
Program Director: R.L. Wall, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $140 Sem **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mississippi Baptist Medical Center, Jackson;

MISSOURI

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Medical Director: H. Elyassi, MD
Program Director: J.F. Whitacre, MS, RRT
Educational Coordinator: M. Prewitt, RRT
Prereq: 2 Yrs Coll **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** $360 Sem Res$678 Non-Res **Awards:** B.S. **Next Survey:** 1983
Affiliates: Veterans Administration Hospital; Missouri Baptist Hospital, St. Louis; University Medical Center

Baptist Memorial Hospital
6601 Rockhill Rd.
Kansas City, Missouri 64131
Medical Director: L.A. Hollinger, MD
Program Director: R.L. Rode, RRT
Educational Coordinator: L.C. Livengood, RRT
Prereq: 1 Yr Coll **Class Cap.:** 25 **Begins:** Jun **Length:** 14 mos **Tuition:** $175 Sem **Awards:** A.A.S. **$Aid:** Scholarship **Prereq:** 3 Yrs Coll **Begins:** Jun **Length:** 14 mos **Tuition:** $1300 Sem **Awards:** B.S. **Next Survey:** 1981
Affiliates: Penn Valley Community College; Rockhurst College; St. Luke's Hospital; Johnson County Community College, Overland Pk; Kansas City College of Osteopathic Medicine; Research Medical Center; Shawnee Mission Medical Center, Overland Park;

St. John's Regional Health Center
1235 E. Cherokee
Springfield, Missouri 65802
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug **Length:** 24 mos **Tuition:** $320 Sem **Awards:** Cert. A.A. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Southwest Missouri State University; Cox Medical Center; Park Central Hospital; Mt. Vernon State Chest Hospital, Mt. Vernon;

Maryville College
13550 Conway Rd.
St. Louis, Missouri 63141
Medical Director: J. Wiant, MD
Program Director: A.B. McDonald, RRT
Educational Coordinator: G.T. Kolander, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 21 mos **Tuition:** $1250 **Awards:** A.A. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: St. Louis University Hospital; St. Louis Children's Hospital; Deaconess Hospital; St. Lukes-West Hospital; De Paul University Hospital;

St. Louis Community College at Forest Park
5600 Oakland Ave.
St. Louis, Missouri 63110
Medical Director: W. Owens, MD
Program Director: P. Durbin, RRT
Educational Coordinator: P. Durbin, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 24 mos **Tuition:** $17 Sem Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Mary's Hospital; Barnes Hospital; Cardinal Glennon Hospital; Jewish Hospital; St. Joseph's Hospital, St. Charles;

NEBRASKA

College of Saint Mary
1901 S. 72nd St.
Omaha, Nebraska 68124
Medical Director: J. Connolly, MD
Program Director: S. Mendenhall, RRT
Educational Coordinator: R. Gamber, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 23 mos **Tuition:** $2850 Yr **Awards:** A.S. B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Archbishop Bergan Mercy Hospital; Mercy Hospital, Council Bluffs, Iowa; Lutheran Medical Center; VA Hospital;ministration

Immanuel Medical Center
6901 North 72nd St.
Omaha, Nebraska 68122
Medical Director: T.P.K. Lim, MD, PhD
Program Director: S. Carper, RRT
Educational Coordinator: R.L. Jackon, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 26 mos **Tuition:** $1300 Sem **Awards:** A.A. B.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Childrens Memorial Hospital; Midland Lutheran College, Fremont; University of Nebraska Medical Center;

NEW JERSEY

Brookdale Community College
765 Newman Springs Rd.
Lincroft, New Jersey 07738
Medical Director: D. Segall, MD
Program Director: C.L. Scanlon, RRT
Educational Coordinator: C. Tino, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 22 mos **Tuition:** $19 Cr Hr Res $37 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Monmouth Medical Center, Long Branch; Riverview Hospital, Red Bank; Jersey Shore Medical Center, Neptune; Paul Kimball Hospital, Lakewood

Atlantic Community College
Black Horse Pike
Mays Landing, New Jersey 08330
Medical Director: J. Hyman, MD
Program Director: E.B. Mellon, RRT
Educational Coordinator: W. Gradwell, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $235 Sem **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Atlantic City Medical Center, Atlantic City; Shore Memorial Hospital, Somers Point; Cherry Hill Med. Ctr., Cherry Hill

Bergen Community College
400 Paramus Rd.
Paramus, New Jersey 07652
Medical Director: L. Denson, MD
Program Director: R.A. Muller, RRT
Educational Coordinator: R.A. Muller, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 21 mos **Tuition:** $500 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Hackensack Hospital, Hackensack; Barnert Memorial, Paterson; St. Joseph's Hospital, Paterson; Paterson General, Wayne; Valley Hospital, Ridgewood;

Fairleigh Dickinson University
233 Montrose Avenue
Rutherford, New Jersey 07070
Medical Director: W. Philip, MD
Program Director: R. Elsasser
Prereq: H.S. **Class Cap.:** 5 **Begins:** Sep **Length:** 24 mos **Tuition:** $91 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Clare's Hospital, Denville; Dover General Hospital, Dover;

Union County Technical Institute
1776 Raritan Rd.
Scotch Plains, New Jersey 07076
Medical Director: P. Goodluck, MD
Program Director: G. Lau, RRT
Educational Coordinator: S. Levy, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $350 Yr **Awards:** A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Elizabeth General Hosp., Elizabeth; Overlook Hosp., Summit; St. Elizabeth hosp., Elizabeth; Alexian Brothers Hosp., Elizabeth

NEW MEXICO

University of Albuquerque
St. Joseph Place, N.W.
Albuquerque, New Mexico 87140
Medical Director: M. Mostyn, MD
Program Director: T.J. Cruz, RRT
Educational Coordinator: R.J. Gentile Jr., MEd., RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 24 mos **Tuition:** 2079 Yr **Awards:** A.S. **Next Survey:** 1980
Affiliates: Lovelace Center for Health Sciences; Presbyterian Hospital Center; St. Joseph's Hospital; Bernalillo County Med. Ctr.

NEW YORK

Long Island University/The Brooklyn Center
University Plaza
Brooklyn, New York 11201
Medical Director: J.J. Adler, MD
Program Director: A.J. Tanner, RRT
Educational Coordinator: J.A. Burke, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 48 mos **Tuition:** $97 Cr Hr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Brookdale Hospital Med. Ctr; Lenox Hill Hosp., New York; Peninsula Hosp. Ctr., Edgemere; The Brooklyn Hosp.

Erie Community College
Young Rd. & Main St.
Buffalo, New York 14221
Medical Director: J.J. Maurizi, MD
Program Director: M. Siegel, RRT
Educational Coordinator: S. Hixon, RRT
Prereq: H.S. **Class Cap.:** 60 **Begins:** Sep **Length:** 24 mos **Tuition:** $740 **Awards:** A.A **Next Survey:** 1979
Affiliates: E.J. Meyer Memorial Hospital; Buffalo V.A. Hospital; Niagara Falls Memorial Medical Center, Niagara Falls; Children's Hospital of Buffalo; Buffalo Columbus Hospital; Erie County Medical Center; Our Lady of Victory Hospital; Sheehan Memorial Emergency Hospital;

Nassau County Medical Center
2201 Hempstead Turnpike
East Meadow, New York 11554
Medical Director: E.C. Sinnott, MD
Program Director: W.D. Hostetter, RRT
Director: M.B. Smith, RRT
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 24 mos **Tuition:** $730 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Soysset Hospital, Syosset; Nassau County Medical Center; Community Hospital of Glen Cove; Nassau Hospital; South Nassau Community Hospital

Nassau Community College
Stewart Ave.
Garden City, New York 11530
Medical Director: K. Freese, MD
Program Director: W. Hostetter, RRT
Educational Coordinator: M.B. Smith, RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $365 Sem **Awards:** A.A.S. **Next Survey:** 1983
Affiliates: Syosset Hospital, Syosette; Nassau County Medical Center, East Meadow; Nassau Hospital, Mineola; Community Hospital at Glen Cove; South Nassau Community Hospital, Oceanside;

Borough of Manhattan Community College
1633 Broadway
New York, New York 10019
Medical Director: R. Andree, MD
Program Director: E. Flannery, RRT
Educational Coordinator: C. Raskin, RRT
Prereq: H.S. **Begins:** Sep **Length:** 24 mos **Tuition:** $388 Sem Res$712 Non-Res **Awards:** A.A. **Next Survey:** 1979
Affiliates: Beekman Downtown Hospital; Booth Memorial Hospital, Flushing; Bronx Municipal Hospital Center, Bronx; Columbus Hospital; Hospital of the Albert Einstein College of Medicine, Bronx; Jamaica Hospital, Jamaica; Memorial Sloan-Kettering Cancer Hospital; Methodist Hospital, Brooklyn; New York Hospital; Roosevelt Hospital;

New York University Medical Center
550 First Ave.
New York, New York 10016
Medical Director: J. Bartels, MD
Program Director: T. Steffee, RRT
Educational Coordinator: D. Theuman, RRT
Prereq: 2 Yrs Coll **Class Cap.:** 45 **Begins:** Sep **Length:** 24 mos **Tuition:** $800 Sem + **Awards:** Cert. **$Aid:** Stipend & Scholarship
Prereq: Degree **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $400 Sum Ses **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: St. Vincent's Hospital & Medical Center; The New York Infirmary; Bellevue Hospital Center; Memorial Center; Beth Israel Medical Center; New York University Medical Center;

State University of New York at Stony Brook
Stony Brook, New York 11794
Medical Director: E.H. Bergofsky, MD
Program Director: E.L. Anderson, CRNA, RRT
Prereq: 2 yrs Coll **Class Cap.:** 26 **Begins:** Sep **Length:** 22 mos **Tuition:** $900 Res $1500 Non-Res **Awards:** B.S. Cert **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Northport Veterans Administration Hospital, Northport; Long Island Jewish/Hillside Medical Center, New Hyde Park; Nassau County Medical Center, East Meadow; Queens Hospital Center, Jamaica;

Onondaga Community College
Syracuse, New York 13215
Medical Director: J.H. Sipple, MD
Program Director: L. Reader, RRT, MPA
Educational Coordinator: C. Aloan, BS, RRT
Affiliates: Crouse Irving Memorial Hospital; Community General Hospital; St. Joseph's Hospital Health Center;

State University of New York-Upstate Medical Center
766 Irving Ave.
Syracuse, New York 13210
Medical Director: P.B. Kane, MD
Program Director: C.P. Wiezalis, RRT
Educational Coordinator: F.L. Smith, RRT
Prereq: H.S. **Class Cap.:** 46 **Begins:** Aug **Length:** 22 mos **Tuition:** $750 YrRes $1200 Non-Res **Awards:** A,A.S. **Next Survey:** 1983
Affiliates: Veterans Administration Hosp.; St. Joseph's Hosp. Health Center; State Univ. Med. Ctr.; Crouse-Irving Memorial Hosp.

Hudson Valley Community College
80 Vandenburgh Ave.
Troy, New York 12180
Medical Director: T.M. Harris, MD
Program Director: K. Maury, RRT
Educational Coordinator: P. Hennessy, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Aug **Length:** 21 mos **Tuition:** $730 YrRes $1460 Non-Res **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Albany Medical Center Hospital, Albany; Ellis Hospital, Schnedtady; Memorial Hospital, Albany; Samaritan Hospital, Troy;

Westchester Community College
75 Grasslands Rd.
Valhalla, New York 10595
Medical Director: K. Shibutani, MD
Program Director: J. Quinones, RRT
Educational Coordinator: M. Hanna, Jr, RRT
Prereq: H.S. **Class Cap.:** 44 **Begins:** Sep **Length:** 24 mos **Tuition:** $325 Sem Res$650 Non-Res **Awards:** A.A.S.Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Nyack Hospital, Nyack; Greenwich Hospital Association; Greenwich, Conn; Westchester County Medical Center; St. Agnes Hospital, White Plains; White Plains Hosp. Med. Ctr., White Plains; Phelps Memorial Hosp., No. Tarrytown

NORTH CAROLINA

Central Piedmont Community College
P.O. Box 4009
Charlotte, North Carolina 28204
Medical Director: H.A. Ferrari, MD
Program Director: T.R. Morris, RRT
Educational Coordinator: F. Detterman, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Oct **Length:** 21 mos **Tuition:** $160 Res $796 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Charlotte Memorial Hospital and Medical Center; Presbyterian Hospital; Mercy Hospital

Durham Technical Institute
PO Box 11307-1637 Lawson St.
Durham, North Carolina 27703
Medical Director: L.F. Redick, MD
Program Director: F. Castrovinici, RRT
Educational Coordinator: J.D. Robbins, RRT
Educational Coordinator: R.B. Steinbach, RRT
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 QtrRes $198 Non-Res **Awards:** A.A.S. **Next Survey:** 1982
Affiliates: North Carolina Memorial Hospital, Chapel Hills; Durham County General Hospital;

Forsyth Technical Institute
2100 Silas Creek Pkwy.
Winston-Salem, North Carolina 27103
Medical Director: R.L. Gibson, MD
Program Director: F.E. Boyer, RRT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $39 Qtr **Awards:** A.A.S **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: North Carolina Baptist Hospital; Forsyth Memorial Hospital;

NORTH DAKOTA

St. Alexius Hospital
Ninth & Thayer
Bismarck, North Dakota 58501
Medical Director: M. Forke-Morgan, MD
Program Director: B.S. Anderson, BA, RRT
Prereq: 1 Sem Coll **Class Cap.:** 6 **Begins:** Jan **Length:** 20 mos **Tuition:** $350 Sem **Awards:** A.S. Cert. **Next Survey:** 1978

OHIO

University of Akron
Akron, Ohio 44325
Medical Director: D. Nelson, MD
Program Director: L. Yousey, BA, RRT
Educational Coordinator: R. Sibberson, BS, RRT
Next Survey: 1979
Affiliates: City Hospital; St. Thomas Hospital; General Medical Center; Children's Hospital of Akron; Timken Mercy Hospital;

Cuyahoga Community College
700 Carnegie Avenue
Cleveland, Ohio 44115
Medical Director: D.G. Gillespie, MD
Program Director: S. Miller, RRT
Educational Coordinator: D. Pavlik, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 22 mos **Tuition:** $8 Cr Hr Res $21 Non-Res **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Rainbow Babies & Children's Hosp, Cleveland Clinic, Huron Rd Hosp, St. John's Hosp, Cleveland Met Gen Hosp, St. Luke's Hosp, St. Alexis Hosp, Deaconess Hosp, Lakewood Hosp, Fairview Pk Hosp, Cleveland;

Columbus Technical Institute
550 E. Spring St.
Columbus, Ohio 43215
Program Director: M. Snider, RRT
Educational Coordinator: L. Chmielewski, RRT
Prereq: H.S. **Begins:** Sep **Length:** 21 mos **Tuition:** $868 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Riverside Methodist Hospital; Grant Hospital; Children's Hospital; Doctor's Hospital; Mt. Carmel Medical Center;

The Ohio State University College of Medicine
190 N. Oval Mall
Columbus, Ohio 43210
Medical Director: W.D. Inglis, MD
Program Director: F.H. Douce, RRT
Educational Coordinator: D.L. Thomas, RRT
Prereq: 2 Yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 21 mos **Tuition:** $305 Qtr Res$675 Non-Res **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: St. Anthony Hosp.; Ohio State University Hospitals; Children's Hosp.; Riverside Methodist Hosp.

Sinclair Community College
444 W. Third St.
Dayton, Ohio 45402
Medical Director: M.W. Craig, MD
Program Director: J. Jenkins, RRT
Educational Coordinator: A. Amido, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 21 mos **Tuition:** $11 Cr Hr Res $16 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Children's Medical Center; Good Samaritan Hospital; Grandview Hospital; Miami Valley Hospital

Kettering College of Medical Arts
3535 Southern Blvd.
Kettering, Ohio 45429
Medical Director: R.A. Krumholz, MD
Program Director: R.G. Chew, RRT
Educational Coordinator: D.T. Brown, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 23 mos **Tuition:** $50 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Kettering Medical Center; Children's Medical Center, Dayton; Miami Valley Hosp.; Children's Med. Ctr.; Middletown Hospital Association

Lakeland Community College
Mentor, Ohio 44060
Medical Director: E.H. Chester, MD
Medical Director: A.A. Gerblich, MD
Program Director: L.G. Cohen, RRT
Educational Coordinator: C.W. Gilbertson, RRT
Affiliates: Ashtabula Hosp; Euclid Gen Hosp; Geauga Comm Hosp; Hillcrest Hosp; Lake Cty Hosp, East & West; Rainbow Babies Children Hosp; Cleveland Clinic Foundation;

University of Toledo Community & Technical College
2801 W. Bancroft St.
Toledo, Ohio 43606
Medical Director: H.R. Stevens, MD
Program Director: J.M. Sullivan, RRT
Educational Coordinator: M. Traband, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep **Length:** 22 mos **Tuition:** $260 **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Mercy Hospital; Medical College of Ohio Hospital; St. Charles Hospital; Toledo Hospital;

OKLAHOMA

Oscar Rose Junior College
6420 S.E. 15th St.
Midwest City, Oklahoma 73110
Medical Director: H. Gleaton, MD
Program Director: D.R. Points, RRT
Educational Coordinator: N. Lorance, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Aug **Length:** 24 mos **Tuition:** $8 Cr Hr Res $23 Non-Res **Awards:** A.A.S. **Next Survey:** 1982
Affiliates: South Community Hospital, Oklahoma City; Norman Municipal Hospital, Norman; Midwest City Memorial Hospital; Oklahoma Children's Memorial Hospital, University Hospital & Clinics, St. Anthony Hospital, all in Oklahoma City;

Tulsa Junior College
909 S. Boston Ave.
Tulsa, Oklahoma 74119
Medical Director: D. Copple, MD
Medical Director: E. Jenkins, MD
Program Director: J. Running, RRT
Educational Coordinator: L. Porter, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug **Length:** 22 mos **Tuition:** $9 Sem Hr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Doctor's Hospital; St. Francis Hospital; St. John Medical Center, Inc.; Hillcrest Medical Center; Muskogee General Hospital, Muskogee; Osteopathic Hospital;

OREGON

Lane Community College
4000 East 30th Ave.
Eugene, Oregon 97405
Medical Director: F. Turner, MD
Program Director: J. Prince, RRT
Educational Coordinator: M. Schubert, RRT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 21 mos **Tuition:** $135 Term **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Sacred Heart General Hospital

Mt. Hood Community College
26000 S.E. Stark St.
Gresham, Oregon 97030
Medical Director: A. Barker, MD
Program Director: A. Witkowski, RRT
Educational Coordinator: P. Stewart, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun **Length:** 24 mos **Tuition:** $910 YrDist. **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1978
Affiliates: Emanuel Hospital, Portland Adventist Hospital, Providence Hospital, St. Vincent's Hospital, Bess Kaiser Hospital, University of Oregon Health Sciences Center, all in Portland;

PENNSYLVANIA

Crozer-Chester Medical Center
15th St. & Upland Ave.
Chester, Pennsylvania 19013
Medical Director: J. Rudnitzky, MD
Program Director: S. Waldecker, RRT
Educational Coordinator: A. Chalela, RRT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 24 mos **Tuition:** $265 Sem Res$624 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Delaware County Community College, Media; Children's Hospital of Philadelphia, Philadelphia

St. Joseph Hospital
250 College Ave.
Lancaster, Pennsylvania 17604
Medical Director: H.S. Robbins, MD
Program Director: R.C. Moore, RRT
Educational Coordinator: J. Hughes, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** July **Length:** 30 mos **Tuition:** $940 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: York Hospital, York; York College of Pennsylvania, York; Lancaster General Hospital; Hershey Medical Center, Hershey; Geisinger Medical Center, Danville;

Community College of Philadelphia
34 S. 11th St.
Philadelphia, Pennsylvania 19107
Medical Director: R.L. Mayock, MD
Program Director: F. Alsis, RRT
Educational Coordinator: A. DiBlasi, Jr, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $500 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980

Hahnemann Medical College & Hospital
230 N. Broad St.
Philadelphia, Pennsylvania 19102
Medical Director: T.Oslick, MD
Program Director: R.C. Gross, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 21 mos **Tuition:** $2450 **Awards:** A.S. **Prereq:** A.S. **Class Cap.:** Open **Begins:** Varies **Length:** 24 mos **Tuition:** $2450 **Awards:** B.S. **Next Survey:** 1981
Affiliates: Hahnemann Medical College and Hospital; John F. Kennedy Hospital, Stratford, NJ; Medical College of Philadelphia;

Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, Pennsylvania 15212
Medical Director: P. Kaplan, MD
Program Director: T.A. Roop, RRT
Educational Coordinator: J. Scheuring, CRTT, RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $23 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Allegheny General Hospital; Childrem's Hospital of Pittsburgh; Presbyterian University Hospital;

Indiana Univ. of Pennsylvania/Western Pennsylvania Hospital
4800 Friendship Ave.
Pittsburgh, Pennsylvania 15224
Medical Director: J.H. Scott, MD
Program Director: R.A. Martin, RRT
Educational Coordinator: W.J. Malley, RRT
Prereq: H.S. **Class Cap.:** 23 **Begins:** Aug **Length:** 45 mos **Tuition:** $575 Sem **Awards:** B.S. **Next Survey:** 1983

Robert Packer Hospital
Guthrie Square
Sayre, Pennsylvania 18840
Medical Director: R.F. Garman, MD
Program Director: L.J. Pollock, RRT
Prereq: H.S. **Class Cap.:** 11 **Begins:** Sep **Length:** 22 mos **Tuition:** 856 Yr **Awards:** A.S. **Next Survey:** 1983
Affiliates: Mansfield State College, Mansfield

RHODE ISLAND

Rhode Island Hospital
593 Eddy St.
Providence, Rhode Island 02902
Medical Director: S.S. Braman, MD
Program Director: M.T. Leone, RN
Educational Coordinator: S. Monyak, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 12 mos **Tuition:** $1050 **Awards:** Cert. **Next Survey:** 1979
Affiliates: Rhode Island Junior College, Warwick;

SOUTH CAROLINA

Medical University of South Carolina
171 Ashley Ave.
Charleston, South Carolina 29403
Medical Director: J.S. Redding, MD
Program Director: A.J. Mazzolli, BS, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 21 mos **Tuition:** $400 Yr **Awards:** A.H.S Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Medical Univ. Hosp.; Naval Regional Medical Center; Veterans Administration Hosp.; Charleston County Hosp.; Roper Hosp.

Midlands Technical College
316 Beltline Blvd.-PO Drawer Q
Columbia, South Carolina 29205
Medical Director: R.L. Galphin, MD
Program Director: L.H. Picow, BS, RRT
Educational Coordinator: B. Southard, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep/Mar **Length:** 24 mos **Tuition:** $150 Qtr Res$200 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: South Carolina Baptist Hospital; Richland Memorial Hospital; Providence Hospital

Greenville Technical College
Box 5616 - Station B
Greenville, South Carolina 29606
Medical Director: F.E. Wilson, MD
Medical Director: L.E. Hayes, Sr, MD
Program Director: S.M. Epstein, RRT
Educational Coordinator: V.D. Lindner, RRT
Prereq: H.S. **Class Cap.:** 35 **Begins:** Sep **Length:** 12 mos **Tuition:** $75 Qt **Awards:** Cert. **$Aid:** Stipend & Scholarship
Affiliates: Greenville General Hospital; Greenville Memorial Hospital; St. Francis Community Hospital;

SOUTH DAKOTA

Sioux Valley Hospital
1100 S. Euclid
Sioux Falls, South Dakota 57105
Medical Director: R.R. Parry, MD
Educational Coordinator: J.W. Roberts, RRT
Educational Coordinator: J.A. Moss, RRT
Prereq: 2 Yrs Coll **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983

Mount Marty College
1100 5th St.
Yankton, South Dakota 57078
Medical Director: P.C. Blum, MD
Program Director: Sr. M.A. Schramm, CRNA, PhD
Educational Coordinator: J. Walker, RRT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 36 mos **Tuition:** $65 Cr Hr **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Sacred Heart Hospital

TENNESSEE

Cleveland State Community College
1 Adkisson Drive
Cleveland, Tennessee 37311
Medical Director: D.A. Chadwick, MD
Program Director: C.T. Coblentz, RRT
Educational Coordinator: K.H. Storrs, RRT
Prereq: H.S. **Class Cap.:** 27 **Begins:** Sep **Length:** 24 mos **Tuition:** $84 QtrRes $312 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Baroness Erlanger Hospital, Chattanooga; Diagnostic Hospital, Chattanooga;

Jackson State Community College
P.O. Box 2467
Jackson, Tennessee 38301
Medical Director: E.F. Crocker, MD
Program Director: B.R. Warren, RRT
Educational Coordinator: L.T. Hinson, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun-Sep **Length:** 24 mos **Tuition:** $84 QtrRes $396 Non-Res **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Jackson-Madison County General Hosp.

Baptist Memorial Hospital
899 Madison Ave.
Memphis, Tennessee 38146
Medical Director: W.A. Potter, MD
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $175 Sem **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: LeBonheur Children's Hospital; Northwest Mississippi Junior College, Senatobia, Miss.

Methodist Hospital
1265 Union Ave.
Memphis, Tennessee 38104
Medical Director: J. Blyth, MD
Program Director: J. Pickens, RRT
Educational Coordinator: D. Stover, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $185 Sem **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Northwest Mississippi Junior College, Senatobia, Miss.; LeBonheur Children's Hospital

Vanderbilt University/Aquinas Junior College
21st Ave. S. & Garland
Nashville, Tennessee 37232
Medical Director: P.M.S. Margand, MD
Program Director: J.W. Hunter, II, RRT
Educational Coordinator: C.G. Brooks, Jr, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 21 mos **Tuition:** $37 Sem Hr **Awards:** A.S. **Next Survey:** 1983
Affiliates: Vanderbilt University Medical Center; Aquinas Junior College;

TEXAS

Amarillo College
P.O. Box 447
Amarillo, Texas 79178
Medical Director: T.M. Nicklaus, MD
Program Director: W.A. Young, RRT
Educational Coordinator: F.R. Thornton, RRT
Educational Coordinator: N.R. Allen, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 24 mos **Tuition:** $220 Res $693 Non-Res **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: High Plains Baptist Hospital; Northwest Texas Hospital; St. Anthony's Hospital; Veterans Administration Hospital

Del Mar College
Baldwin & Ayers
Corpus Christi, Texas 78404
Medical Director: J. Lore, MD
Program Director: K.E. Pilotte, RRT
Educational Coordinator: B. Gandy, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 24 mos **Tuition:** $100 Sem Res$255 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Memorial Medical Center; Doctor's Hospital; Spohn Hospital; Driscoll Foundation Children's Hospital

El Centro College
Main & Lamar
Dallas, Texas 75202
Medical Director: W.F. Miller, MD
Program Director: T. Minnett
Educational Coordinator: L. Holly
Prereq: H.S. **Class Cap.:** 76 **Begins:** Aug **Length:** 24 mos **Tuition:** $6 Cr Hr **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Baylor University Medical Center; Methodist Hospital of Dallas; Parkland Hospital; St. Paul Hospital; Medical City Dallas Hospital; Children's Medical Center; Veterans Administration Hospital;

El Paso Community College
432 Frederick
El Paso, Texas 79905
Medical Director: R. May, MD
Program Director: H. Kirshenbaum, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** May **Length:** 24 mos **Tuition:** $100 Sem **Awards:** A.A.S.Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Providence Memorial Hospital; Sierra Medical Center;

Univ. of Texas Sch. of Allied Health Sciences/Galveston College
Galveston, Texas 77550
Medical Director: J.A. Jenicek, MD
Program Director: P. Trevisani, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jul **Length:** 28 mos **Tuition:** $72 SemRes $200 Non-Res **Awards:** A.A.S Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: University of Texas Medical Branch Hospitals, Galveston;

Houston Community College
22 Waugh Drive
Houston, Texas 77007
Medical Director: S.P. Fischer, MD
Program Director: R.E. Bartel, RRT
Educational Coordinator: T.W. Reynolds, Jr, RRT
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep **Length:** 24 mos **Tuition:** $481 Yr **Awards:** A.A.S. **Next Survey:** 1980
Affiliates: St. Anthony Center Hospital; Hermann Hospital; Memorial Hospital System; Methodist Hospital; Texas Institute for Rehabilitation & Research; Diagnostic Center Hospital; St. Luke's & Texas Children's Hospital; M.D. Anderson Hospital & Tumor Institute; Medical Center Del Oro Hospital;

Texas Southern University
3201 Wheeler St.
Houston, Texas 77004
Medical Director: L. Johnson, MD
Program Director: E. Gibson, III, RRT
Educational Coordinator: L. Garrett, MEd, CRRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 48 mos **Tuition:** None **Awards:** B.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: St. Joseph Hosp.; Riverside General Hosp.; Ben Taub Hosp.; Jefferson Davis Hosp.

Tarrant County Junior College
828 Harwood Rd.
Hurst, Texas 76053
Medical Director: R. Hyer, MD
Program Director: G. Shaw, MMS
Educational Coordinator: S. Holmes, RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 24 mos **Tuition:** $4 Cr Hr Res $40 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: John Peter Smith Hosp., Ft. Worth; All Saints Episcopal Hosp., Ft. Worth; Ft. Worth Osteopathic Hospital, Ft. Worth; Arlington Memorial Hospital, Arlington; St. Joseph Hospital, Ft. Worth; HEB Hospital, Euless; Harris Hosp., Ft. Worth;

Odessa College
P. O. Box 3752
Odessa, Texas 79760
Medical Director: J.F. Dujon, MD
Program Director: F.B. Hertenstein, RRT
Educational Coordinator: D. Andrade, RRT
Next Survey: 1983
Affiliates: Medical Center Hospital; Midland Memorial Hospital; Women & Children's Hospital;

Southwest Texas State University
San Marcos, Texas 78666
Medical Director: G. Handley, MD
Program Director: C.J. Harkins, RRT
Prereq: H.S. **Class Cap.:** 48 **Begins:** Sep
Length: 24 mos **Tuition:** $600 Yr **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Brackenridge Hospital, Austin; Holy Cross Hospital, Austin; St. David's Community Hospital, Austin; Seton Hospital, Austin; Baptist Memorial Hospital, San Antonio; Santa Rosa Medical Center, San Antonio; San Antonio Community Hospital, San Antonio

Tyler Junior College
E. 5th St.
Tyler, Texas 75701
Medical Director: G.D. Onstad, MD
Program Director: K.F. Hill, RRT
Educational Coordinator: D. Barnett, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep
Length: 24 mos **Tuition:** $4 Cr Hr res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Mother Frances Hospital; Medical Center Hospital; University of Texas Health Center at Tyler;

UTAH

Weber State College
3750 Harrison Blvd.
Ogden, Utah 84408
Medical Director: J. Simons, MD
Program Director: J. Wanta, RN, RRT
Educational Coordinator: D.T. Van Hooser, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 21 mos **Tuition:** $174 Qtr Res$348 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Holy Cross Hospital, Logan LDS Hospital, University Hospital, Primary Children's Hospital, all in Salt Lake City; McKay-Dee Hospital; St. Benedict's Hospital; Cottonwood Hospital, Murray; VA Hospital, Salt Lake City;

VIRGINIA

Northern Virginia Community College
8333 Little River Turnpike
Annandale, Virginia 22003
Medical Director: F.D.Fusco, MD
Program Director: P.D. Hoberty, RRT
Educational Coordinator: L.O. Johannesen, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep
Length: 21 mos **Tuition:** $100 st-res $335 non-res **Awards:** A.A.S. **$Aid:** Scholarship
Next Survey: 1981
Affiliates: The Fairfax Hospital, Falls Church; The Alexandria Hospital, Alexandria; Arlington Hospital, Arlington

Piedmont Virginia Community College
Route 6, Box 1A
Charlottesville, Virginia 22901
Medical Director: J. Kistner, MD
Program Director: R.W. Shelly, Ed.D, RRT
Educational Coordinator: W.H. Dubbs, BS, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 21 mos **Tuition:** $100 Qtr **Awards:** A.A.S. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: University of Virginia Medical Center

Shenandoah College
Millwood Pike
Winchester, Virginia 22601
Medical Director: V.V. Kalbian, MD
Program Director: E. Hoy, RRT
Educational Coordinator: J. Freeman, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun
Length: 24 mos **Tuition:** $1100 Sem **Awards:** A.S. Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Winchester Memorial Hospital; Warren Memorial Hospital, Front Royal; Veterans Administration Center, Martinsburg; Medical College of Virginia, Richmond;

WASHINGTON

Highline Community College
Kent, Washington 98031
Medical Director: E. Pavlin, MD
Program Director: E.A. Morton, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun
Length: 21 mos **Tuition:** $102 Qtr Res$396 Non-Res **Awards:** A.A.S. **Next Survey:** 1979
Affiliates: Renton Valley General Hospital, University of Washington Hospital, Group Health Cooperative Hospital, Providence Medical Center, Harborview Medical Center, Children's Orthopedic Hospital, all in Seattle;

Spokane Community College
N. 1810 Greene St.
Spokane, Washington 99207
Medical Director: J. Bonvallet, MD
Program Director: Z. Kneff, RRT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep
Length: 19 mos **Tuition:** $102 Qtr Res$396 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Luke's Memorial Hospital; Holy Family Hospital; Deaconess Hospital; Sacred Heart Medical Center;

WISCONSIN

Madison Area Technical College
211 N. Carroll St.
Madison, Wisconsin 53703
Medical Director: L.W. Chosy, MD
Program Director: M.L. Steberg, RRT
Educational Coordinator: L.M. Thompson, RRT
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep
Length: 24 mos **Tuition:** $350 Yr **Awards:** A.A. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: University of Wisconsin Hospital; St. Mary's Hospital; Madison General Hospital; Methodist Hospital; VA Hospital;

Milwaukee Area Technical College
1015 North 6th Street
Milwaukee, Wisconsin 53203
Medical Director: E.F. Banaszak, MD
Program Director: A.C. Synan
Educational Coordinator: R. Gustafson, RRT
Educational Coordinator: G. Berth, RRT
Prereq: H.S. **Class Cap.:** 32 **Begins:** Aug
Length: 20 mos **Tuition:** $7-15 Cr Hr $36 Non-Res **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: St. Luke's Hospital; St. Mary's Hospital, St. Frances Hospital; Mt. Sinai Hospital; Milwaukee Children's Hospital; Milwaukee County General Hospital;

Respiratory Therapy Technician

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

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ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Medical Director: I.F. Moustapha, MD
Program Director: E.T. Scruggs, RRT
Educational Coordinator: P. Johnson Jr., RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep/Mar **Length:** 12 mos **Tuition:** $300
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: University of Alabama Hospital; Children's Hospital; Carraway Methodist Hospital; Baptist Princeton Hospital;

ARIZONA

Arizona College of Medical, Dental and Legal Careers
4020 N. 19th Ave.
Phoenix, Arizona 85015
Medical Director: J.E. Gerace,MD
Program Director: E. Martin, RRT
Educational Coordinator: R.R. Brown
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan-Jun **Length:** 12 mos **Tuition:** $2295
Awards: Cert. **$Aid:** Stipend & Scholarship
Next Survey: 1981
Affiliates: Phoenix Memorial Hospital; Doctor's Hospital;

Biosystems Institute
2526 E. University Dr.
Phoenix, Arizona 85034
Medical Director: R. Williams, MD
Program Director: G. Davis, RRT
Educational Coordinator: G. Hawk, RN, RRT
Prereq: H.S. **Class Cap.:** 25, **Begins:** Qtrly
Length: 10 mos **Tuition:** $2985 **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Good Samaritan Hospital; Glendale Samaritan Hospital, Glendale; Maryvale Samaritan Hospital; VA Hospital;

Maricopa Technical Community College
106 E. Washington
Phoenix, Arizona 85004
Medical Director: V. Rowland, MD
Program Director: J.D. Walters, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jul
Length: 12 mos **Tuition:** $190 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Doctors Hosp.; Maricopa County General Hosp.; Phoenix General Hosp.; Scottsdale Mem. Hosp.; St. Luke's Hosp.

Scottsdale Educational Center, Inc.
7300 E. Fourth St., Ste 208
Scottsdale, Arizona 85251
Medical Director: F.M. Preiser, MD
Educational Coordinator: T.B. Parker, RRT
Educational Coordinator: K.B. May, CRTT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Feb-Aug **Length:** 10 mos **Tuition:** $2900
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: John C. Lincoln Hospital, Phoenix; Desert Samarital Hospital, Mesa;

Arizona College of Medical and Dental Careers
2354 E. Broadway
Tucson, Arizona 85719
Medical Director: J. Goldman, MD
Program Director: R.J. McKee, RRT
Educational Coordinator: B.E. Brown, CRTT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Varies
Length: 11 mos **Tuition:** $2500 **Awards:** Cert. **Next Survey:** 1982
Affiliates: St. Mary's Hospital; Kino Community Hospital; El Dorado Med Center;

ARKANSAS

Sparks Regional Medical Center
1311 S. Eye St.
Fort Smith, Arkansas 72901
Medical Director: D.R. Nochols, MD
Program Director: R. Payne, CRT, RRT
Educational Coordinator: S.A. Brown, CRTT
Tuition: None **Next Survey:** 1983

Little Rock V.A. Medical Center
300 E. Roosevelt Rd.
Little Rock, Arkansas 72206
Medical Director: G.A. Griggs, MD
Educational Coordinator: E. Lindahl,RRT
Program Director: W. Rowland, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep
Length: 11 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St. Vincent Infirmary; University Hospital: Doctor's Hospital; Veterans Administration Hospital

CALIFORNIA

Institute of Medical Studies
2114 Berkeley Way
Berkeley, California 94704
Medical Director: A. Lifshay, MD
Program Director: F.P. Dolan, RRT
Educational Coordinator: B.H. Elerick, CRTT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Apr-Sep **Length:** 12 mos **Tuition:** $3300
Awards: Cert. **Next Survey:** 1981
Affiliates: Ross General Hospital, Ross; Broadway Hospital, Vallejo; Mt. Zion Hospital & Medical Center, San Francisco; Richmond Hospital, Richmond; Doctors Hospital of Pinole, Pinole;

Hacienda La Puente Unified School District
15381 E. Proctor Ave.
City of Industry, California 91749
Medical Director: P.J. Ovando, MD
Program Director: D. Roth
Educational Coordinator: T.M. Hunt, CRTT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Open
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Foothill Presbyterian Hosp., Glendora; Inter-Community Hosp., Covina; La Vina Hosp., Alta Dena; Brea Hosp., Brea; Queen of the Valley Hosp., W. Covina; Rancho Los Amigos Hosp., Downey; Rio Hondo Mem. Hosp., Whittier; St Jude Hosp.; Fullerton Studebaker Comm. Hosp., Norwalk; W. Anaheim Comm. Hosp; Canyon Gen'l Hosp., Anaheim; St. Luke's Hosp., Pasadena; Glendora Comm. Hosp.; La Mirada Comm. Hosp.; Westminster Comm. Hosp.; Huntington Intercomm. Hosp., Huntington Beach; Presbyterian Intercommunity Hospital, Whittier; Beverly Hospital, Montebello; St. Francis Medical Center, Lynwood;

Pruett College of Career Education
1924 Brant St.
Concord, California 94520
Medical Director: R.V. Charya, MD
Program Director: R.C. Badgley, RRT
Educational Coordinator: D.L. Pattan, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep,Mar **Length:** 12 mos **Tuition:** $3200
Awards: Diplo **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: John Muir Hospital, Walnut Creek; Mt. Diablo Medical Center; Delta Memorial Hospital, Antioch; Los Medanos Community Hospital, Pittsburg; Children's Hospital Medical Center, Oakland;

Southland College of Medical-Dental Careers
3160 W. Sixth St.
Los Angeles, California 90020
Medical Director: W.F. Bierer, MD
Program Director: P. Wong, RRT
Educational Coordinator: L. Newman, Jr, RRT
Prereq: H.S. **Class Cap.:** 75 **Begins:** Jan-Jun **Length:** 12 mos **Awards:** Cert.
$Aid: Stipend & Scholarship
Affiliates: Paramount General Hospital; Century City Hospital; Little Community of Mary Hospital, Torrance; M.L.King Jr. General Hospital, Compton; Community Hospital of LA; Santa Marta Hospital & Clinic; Sante Fe Memorial Hospital; Barlow Hospital; Community Hospital of San Gabriel, San Gebriel;

Medical Training Institute
14935 Rinaldi, Suite 602
Mission Hills, California 91345
Medical Director: D.H. Wiseman, MD
Program Director: R. Kratz, RRT
Educational Coordinator: A. Crosby, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jan-May Sep **Length:** 12 mos **Tuition:** $2860 **Awards:** Cert. **$Aid:** Scholarship
Affiliates: Serra Memorial Hospital, Sun Valley; H. Mayo Memorial Hospital, Valencia; Antelope Valley Hospital, Lancaster; Holy Cross Hospital; Granada Hills Hospital, Granada Hills; Pacoima Lutheran Hospital, Pacoima;

Valley College of Medical-Dental Careers
4150 Lankershim Blvd.
North Hollywood, California 91206
Medical Director: M. Appleton, MD
Program Director: M. Scott, RRT
Educational Coordinator: S.E. Brunet, CRTT
Prereq: H.S. **Begins:** Varies **Length:** 9 mos
Tuition: $2490 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Burbank Community Hospital; La Vina Hospital, Altadena; Century City Hospital, LA; Pacoima Memorial Hospital; Memorial Hospital of Panorama City; H. Mayo Newhall Memorial Hospital, Valencia; Barlow Hospital, Los Angeles; Brotman Memorial Hospital, Culver City; West Hills Hospital, Canoga Park; Verdugo Hills Hospital, Glendale; Hospital, Los Angeles

Oakland Public Schools
1025 - 2nd Avenue, Portable 14
Oakland, California 94606
Medical Director: J.A. Kram, MD
Program Director: S.A. Jellinek, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep
Length: 11 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1982
Affiliates: Children's Hospital; Alta Bates Hospital, Berkeley; Herrick Hospital, Berkeley; Doctor's Hospital, San Leandro

College of California Medical Affiliates
214 Van Ness Ave.
San Francisco, California 94102
Medical Director: D. Holman, MD
Program Director: D. Wilcox, RRT
Educational Coordinator: A. Ando, AA
Prereq: H.S. **Class Cap.:** 20 **Begins:** Feb-Aug **Length:** 12 mos **Tuition:** $3850 Yr
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Children's Hospital of San Francisco

San Lorenzo Unified Sch. Dist./Eden Area Program
15919 Hesperian Blvd.
San Lorenzo, California 94580
Medical Director: F. Johnson, MD
Program Director: C. McNamee, RRT
Prereq: H.S. **Begins:** Mar-Apr **Length:** 12 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Vesper Memorial Hosp. of San Leandro; St. Rose Hosp., Hayward; Herrick Memorial Hosp., Berkeley; Eden Hosp., Castro Valley Alta Bates Hosp., Berkeley; Levine Hospital, Hayward; Doctors' Hosp., San Leandro; Peralta Hosp., Oakland;

Simi Valley Adult School
3150 School St.
Simi Valley, California 93065
Medical Director: N. Berman, MD
Program Director: C.R. Kingston, RRT
Prereq: H.S. **Class Cap.:** 26 **Begins:** Sep
Length: 11 mos **Tuition:** $75 Yr **Awards:** Cert. **Next Survey:** 1983
Affiliates: Encino Hosp; Northridge Med Ctr; Los Robles Reg'l Med Ctr, Thousand Oaks; West Hills Hosp, Canoga Pk; Valley Hosp Med Ctr;

COLORADO

Aurora Technical Center
500 Buckley Rd.
Aurora, Colorado 80011
Medical Director: H.D. Waite, MD
Program Director: S. Walters, RRT
Educational Coordinator: S. Wenino, CRRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug
Length: 11 mos **Tuition:** $410 Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Presbyterian Medical Center; Mercy Hospital; Veterans Administration Hospital; Porter Memorial Hospital, Denver

St. Anthony Hospital Systems
4231 W. 16th Ave.
Denver, Colorado 80204
Medical Director: V.A.Y. Lindquist, MD
Program Director: J.R. Goodman, RRT
Educational Coordinator: S. Stein, BS, CRTT, RRT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jan
Length: 12 mos **Tuition:** $500 Yr **Awards:** Cert. **$Aid:** Scholarship
Affiliates: Children's Hospital

Aims Community College
P.O. Box 69
Greeley, Colorado 80631
Medical Director: R. Cash, MD
Program Director: J.H. Taylor, BS, RRT
Educational Coordinator: M. Arndt, BS, CRTT
Tuition: None **Awards:** None **Next Survey:** 1980
Affiliates: Weld County General Hospital; Longmont United Hospital; Brighton Community Hospital;

CONNECTICUT

Bridgeport Hospital
267 Grant St.
Bridgeport, Connecticut 06602
Medical Director: R. Haddad, MD
Educational Coordinator: D.A. Moore, RRT
Educational Coordinator: E.G. Tkacs, CRTT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 12 mos **Tuition:** $1200 **Awards:** Cert **Next Survey:** 1980
Affiliates: University of Bridgeport;

St. Francis Hospital and Medical Center
114 Woodland St.
Hartford, Connecticut 06105
Medical Director: R.L.ZuWallack, MD
Educational Coordinator: D.P. Watson, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jul
Length: 12 mos **Tuition:** $150 Sem $300 Yr
Awards: Cert. **Next Survey:** 1983

FLORIDA

Boca Raton Community Hospital, Inc.
800 Meadows Rd.
Boca Raton, Florida 33432
Medical Director: J.M. Reid, MD
Program Director: H.L. Warne Jr., RRT
Educational Coordinator: J.L. Hill, RRT
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jun-Nov **Length:** 12 mos **Tuition:** $600
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: College of Boca Raton; Bethesda Memorial Hospital, Boynton Beach;

Daytona Beach Community College
Welch Boulevard
Daytona Beach, Florida 32015
Medical Director: A. Smith, MD
Program Director: C.Carroll, RRT
Educational Coordinator: M.J. Pietrocola, CRTT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug
Length: 12 mos **Tuition:** $180 **$Aid:** Scholarship
Affiliates: Halifax Hosp. Med. Ctr.; Memorial Hosp. of Ormond Beach, Ormon Beach

Miami-Dade Community College
11011 S.W. 104th St.
Miami Beach, Florida 33176
Medical Director: D. Holaday, MD
Medical Director: W. Avery, MD
Program Director: C.J. Miller, BS,RRT
Prereq: H.S. **Class Cap.:** 90 **Begins:**
Jan-Aug **Length:** 12 mos **Tuition:** $14 Cr
Awards: Cert. **$Aid:** Scholarship
Affiliates: American Hospital; Hialeah Hospital;
Jackson Memorial Hospital; Mercy Hospital; Mi-
ami Heart Institute; Mount Sinai Hospital; North
Miami General Hospital; North Shore Hospital;
South Miami Hospital; University of Miami Hospi-
tal & Clinics

Pensacola Junior College
1000 College Boulevard
Pensacola, Florida 32504
Medical Director: R.E. Bondurant, MD
Educational Coordinator: D.J. Darnell, RRT
Educational Coordinator: M. Williams, CRTT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan
Length: 12 mos **Tuition:** $276 **Awards:** Cert.
$Aid: Scholarship **Next Survey:** 1981
Affiliates: Sacred Heart Hospital, Pensacola; West
Florida Hospital; Baptist Hospital, Pensacola; San-
ta Rosa Hospital, Milton

Sarasota County Voc-Tech Adult Center
4748 Beneva Rd.
Sarasota, Florida 33581
Director: M.J. Liberman, MD
Director: M. Wingate, RN
Director: O.J. Drumheller, CR
Tuition: one **Awards:** None **Next Survey:**
1980
Affiliates: Sarasota Memorial Hospital; Doctor's
Hospital;

Florida Anesthesia Services
P.O. Drawer 20,000
St. Petersburg, Florida 33731
Medical Director: D.M. Spivey, MD
Program Director: G.D. Cranton, RRT
Educational Coordinator: D.L. Carroll, CRTT
Prereq: H.S. **Class Cap.:** 12 **Begins:**
May-Nov **Length:** 12 mos **Tuition:** $250
Awards: Cert **$Aid:** Scholarship **Next Survey:**
1980
Affiliates: St. Anthony's Hospital; All Children's
Hospital; St. Petersburg Jr. College

St. Petersburg Vocational-Technical Institute
850 - 34th St. South
St. Petersburg, Florida 33711
Medical Director: D.M. Pell, MD
Program Director: J.T. O'Malley, CRTT
Educational Coordinator: M.E. Karheck, CRTT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jan-Jul
Length: 12 mos **Tuition:** $30 **Awards:** Cert
Next Survey: 1980
Affiliates: Bayfront Medical Center; Sun Coast
Osteopathic Hospital, Largo; Palms of Pasadena
Hospital; Hubert Rutland Hospital; All Children's
Hospital; Gulf Coast Lung Association; Morton
Plant Hospital, Clearwater; St. Petersburg General
Hospital;

GEORGIA

Emory University
Atlanta, Georgia 30322
Medical Director: A.L. Plummer, MD
Program Director: F. Droms, MS, RTT
Educational Coordinator: B. Ott, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 12 mos **Tuition:** $115 Qtr **Awards:**
Cert. **$Aid:** Stipend & Scholarship **Next**
Survey: 1982
Affiliates: Crawford W. Long Memorial Hospital,
Atlanta; Emory University Hosp.; Henrietta Egles-
ton Hosp.; West Georgia Medical Center; Medical
Center of Central Georgia

Memorial Medical Center
4700 Waters Avenue
Savannah, Georgia 31404
Medical Director: R. DiBenedetto, MD
Educational Coordinator: R.L. Bowers, RRT
Educational Coordinator: M.L. Cottrell, CRTT
Prereq: H.S. **Class Cap.:** 27 **Begins:** Sep
Length: 12 mos **Tuition:** $800 **Awards:** Cert.
$Aid: Scholarship **Next Survey:** 1980

Thomas Area Vocational Technical School
U.S. 19 at 319
Thomasville, Georgia 31792
Medical Director: W.A. Lardin, MD
Program Director: C. Jones, CRTT
Educational Coordinator: J.H. Harp, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Oct
Length: 5 Qtrs **Tuition:** $350 Yr **Awards:**
Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: John D. Archbold Memorial Hospital;
Tallahassee Memorial Regional Medical Center,
Tallahassee;

IDAHO

St. Luke's Hospital, LTD. & Mountain States Tumor Institute
190 E. Bannock St.
Boise, Idaho 83702
Medical Director: D. Merrick, MD
Educational Coordinator: [illegible] Pilcher
Prereq: H.S. **Class Cap.:** 14 **Begins:** Jun
Length: 12 mos **Tuition:** $500 Yr **Awards:**
Cert. **$Aid:** Scholarship **Next Survey:** 1980

Caldwell Memorial Hospital
1717 Arlington
Caldwell, Idaho 83605
Medical Director: C.E. Reed, MD
Program Director: D.V. Nuerenberg, RRT
Educational Coordinator: W. Baines, RRT
Prereq: H.S. **Class Cap.:** 21 **Begins:** Sep
Length: 12 mos **Tuition:** $455 **Awards:** Cert.
$Aid: Scholarship **Next Survey:** 1981
Affiliates: St. Luke's Hospital, Boise;

ILLINOIS

Parkland College
2400 West Bradley Avenue
Champaign, Illinois 61820
Medical Director: J. LeGrand, MD
Educational Coordinator: T. Des Jardins; RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep
Length: 12 mos **Tuition:** $17 Sem Hr **Awards:**
Cert **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Burnham City Hospital; Mercy Hospital,
Urbana; Carle Hospital

Metropolitan Group of Hospitals
836 W. Wellington Ave.
Chicago, Illinois 60657
Medical Director: D.M. Tate, MD
Program Director: G.S. Kacmarek, Jr.
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jan
Length: 12 mos **Tuition:** $650 **Next Survey:**
1981
Affiliates: Illinois Masonic Medical Center; Mac-
Neal Memorial Hospital; Ravenswood Hosp. Med-
ical Center; Lutheran General Hosp.

Northwestern Memorial Hospital
250 E. Superior St.
Chicago, Illinois 60611
Medical Director: B. Shapiro, MD
Educational Coordinator: R. Kacmarek, RRT
Educational Coordinator: D. Hauptman, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jan-Jul
Length: 12 mos **Tuition:** None **Awards:**
Cert. **Next Survey:** 1982
Affiliates: Childrens Memorial Hospital;

University of Chicago Hospitals & Clinics
950 E. 59th St.
Chicago, Illinois 60637
Medical Director: C. Rattenborg, MD
Program Director: W. Wojciechowski, RRT
Educational Coordinator: K. Bretl
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan
Length: 12 mos **Tuition:** $700 **Awards:** Cert.
Next Survey: 1982

Kankakee Community College
Box 888
Kankakee, Illinois 60901
Medical Director: M. Belinson, MD
Program Director: D. Lovasz, RRT
Educational Coordinator: J. Ligthart, CRTT
Affiliates: McGraw Hospital of Loyola University;
Riverside Medical Center; St. Mary's Hospital;

Lutheran Hospital
501 Tenth Ave.
Moline, Illinois 61265
Medical Director: E.M. Peterson, MD
Educational Coordinator: C.L. McKnight, RRT
Educational Coordinator: T. Watson, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug
Length: 12 mos **Tuition:** $1000 **Awards:**
Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Franciscan Medical Center, Rock Island;
Black Hawk College; Mercy Hosp., Davenport,
IA

Christ Hospital
4440 W. 95th St.
Oak Lawn, Illinois 60453
Medical Director: R.H. Earle, MD
Program Director: R. Berry, RRT
Educational Coordinator: G. Celmer, BS, CRTT

Moraine Valley Community College
10900 S. 88 Ave.
Palos Hills, Illinois 60465
Medical Director: R. Dolehide, MD
Program Director: R.F. Lehner, RRT
Educational Coordinator: T.M. Mikos, RRT
Prereq: H.S. **Class Cap.:** 17 **Begins:** Aug
Length: 12 mos **Tuition:** $12 Cr Hr Res $50
Non-Res **Awards:** Cert. **$Aid:** Stipend **Next**
Survey: 1982
Affiliates: Palos Community Hosp.; Ingalls Memo-
rial Hosp., Harvey; Little Company of Mary Hosp.,
Evergreen Park; Holy Cross Hosp.; South Subur-
ban Hosp., Hazel Crest

St. Mary Hospital
1415 Vermont St.
Quincy, Illinois 62301
Medical Director: A.J. Greenbank, MD
Program Director: J.R. Reddell, RRT
Educational Coordinator: M. Lotz, CRTT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug
Length: 10 mos **Tuition:** $300 Yr **Awards:**
Cert. **Next Survey:** 1982

Swedish-American Hospital
1400 Charles St.
Rockford, Illinois 61108
Medical Director: J. Hanson, MD
Program Director: R.G. Rueckl, RRT
Educational Coordinator: S.A. Cavanagh
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug
Length: 12 mos **Tuition:** $15 Hr $525 Yr
Awards: Cert. **$Aid:** Scholarship **Next Survey:**
1979
Affiliates: St. Anthony Hospital; Rockford Memo-
rial Hospital; Katherine Shaw Bethea Hospital,
Dixon;

St. John's Hospital
800 East Carpenter
Springfield, Illinois 62702
Medical Director: N. Dixon, MD
Program Director: T.A. Venters, RRT
Prereq: H.S. **Class Cap.:** 22 **Begins:**
Jan-Aug **Length:** 12 mos **Tuition:** $1250 Yr
Awards: Cert. **$Aid:** Scholarship **Next Survey:**
1980
Affiliates: Springfield College

Victory Memorial Hospital
1324 N. Sheridan Rd.
Waukegan, Illinois 60058
Medical Director: I.U. Haq, MD
Program Director: J.K. Bean, RRT
Educational Coordinator: S. Poulos, CRTT
Prereq: H.S. **Begins:** Jan **Length:** 15 mos
Tuition: $100 Term 4 Terms **Awards:** Cert.
Next Survey: 1982
Affiliates: College of Lake County, Grayslake

INDIANA

Indiana Vocational Technical College-NW Region
1440 East 35th Ave.
Gary, Indiana 46409
Medical Director: A. Ayoub, MD
Program Director: A. Libby, RRT
Educational Coordinator: J. Evans, CRTT
Prereq: H.S. GED **Class Cap.:** 15 **Begins:**
Nov **Length:** 12 mos **Tuition:** $918 **Awards:**
Cert. **$Aid:** Stipend & Scholarship **Next**
Survey: 1981
Affiliates: St. Mary Medical Center, Hobart; St.
Mary Medical Center, Gary; St. Catherine Hospi-
tal, East Chicago; St. Anthony Medical Center,
Crown Point; Porter Memorial Hospital, Valparai-
so; St. Anthony Hospital, Michigan City;

Indiana Vocational Technical College
1315 E. Washington St.
Indianapolis, Indiana 46202 462
Medical Director: R. Dunkin, MD
Program Director: R. Eveslage, RRT
Educational Coordinator: M.W. Darling, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Mar-Sep **Length:** 15 mos **Tuition:** $215 Qt **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Community Hospital; St. Vincent Hospital; St. Francis Hospital; Winona Memorial Hospital; Riley Hospital; Indiana U Hospital

Methodist Hospital of Indiana, Inc.
1604 N. Capitol Ave.
Indianapolis, Indiana 46202
Medical Director: D.C. Weiser, MD
Educational Coordinator: M. Mattes, RRT
Educational Coordinator: L. VanScoder, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 11 mos **Tuition:** $750 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982

Indiana Vocational Technical College
616 Wabash Ave.
Lafayette, Indiana 47905
Medical Director: J.C. Scanlon, MD
Program Director: L. Drummond, RRT
Educational Coordinator: H.E. Johnson, CRTT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 15 mos **Tuition:** $870 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Elizabeth Hospital; Lafayette Home Hospital

IOWA

Northeast Area One Vocational Technical School
Third Floor, Dubuque Bldg.
Dubuque, Iowa 52001 52001
Medical Director: R. Schope, MD
Program Director: D. Chang, CRTT
Educational Coordinator: S. Scheffert, CRTT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 12 mos **Tuition:** $600 **Awards:** Cert. **Next Survey:** 1979
Affiliates: Xavier Hospital; Mercy Hospital; Finley Hospital; University Hospitals, Iowa City;

KANSAS

Bethany Medical Center
51 N. 12th St.
Kansas City, Kansas 66102
Medical Director: R.P. Sherman, MD
Program Director: P. Rycken, RRT
Educational Coordinator: M.O. Burke, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $350 **Awards:** Cert. **Next Survey:** 1982

KENTUCKY

St. Joseph Hospital
1400 Harrodsburg Rd.
Lexington, Kentucky 40504
Medical Director: T. Jarboe, MD
Program Director: L. Zwagil, RRT
Educational Coordinator: D.M. Pursley, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: University of Kenutcky Medical Center

University of Louisville
P.O. Box 35260
Louisville, Kentucky 40232
Medical Director: E. Lane, MD
Program Director: C.D. Gardner, RRT
Educational Coordinator: N. Whitlow, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug **Length:** 12 mos **Tuition:** $855 Res $3000 Non Res **Awards:** Cert **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Louisville General Hospital;

Madisonville Area Vocational School
701 N. Laffoon St.
Madisonville, Kentucky 42431
Medical Director: T. Gallow, MD
Program Director: J.C. Whitedge
Educational Coordinator: D.M. Baker
Tuition: None **Awards:** None **Next Survey:** 1980
Affiliates: Hopkins County Hospital;

Paducah Area Vocational Education Center
700 Highland Blvd.-PO Box 1287
Paducah, Kentucky 42001
Medical Director: J. Coyer, MD
Program Director: E. Humm, RN
Educational Coordinator: J. Cunningham, CRRT
Prereq: H.S. **Class Cap.:** 14 **Begins:** Feb **Length:** 11 mos **Tuition:** $48 Res **Awards:** Cert. **$Aid:** Scholarship **Prereq:** 1 **Tuition:** res $460 non res **Awards:** Diplo

LOUISIANA

Earl K. Long Memorial Hospital
5825 Airline Hwy.
Baton Rouge, Louisiana 70805
Medical Director: R.C. Hebert, MD
Medical Director: G.T. McKnight, MD
Educational Coordinator: G. Broussard, RRT
Educational Coordinator: A. Mann, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981

Bossier City General Hospital
2105 Airline Dr.
Bossier City, Louisiana 71010
Medical Director: M.T. Metzgar, MD
Program Director: R.S. Edge, Ed.D., RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 12 mos **Tuition:** $525 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Bossier Gen'l Hosp., Schumpert Med. Ctr., Physician's & Surgeon's Hosp., VA Hosp., Airline Comm. Hosp., all in Shreveport

Louisiana State University
PO Box 1129
Eunice, Louisiana 70535
Medical Director: R.R. Theard, MD
Program Director: B.M. Janmeja, RRT
Educational Coordinator: R. Forment, BS, CRTT
Tuition: None **Awards:** None
Affiliates: Lafayette Charity Hospital; Lafayette General Hospital; Our Lady of Lourdes Hospital;

Terrebonne General Hospital
P.O. Box 6037, 936 Main St.
Houma, Louisiana 70361
Medical Director: B. Shelby, MD
Program Director: J. Dupont, MD
Educational Coordinator: T.J. Lirette, CRTT
Prereq: H.S. **Begins:** Nov **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Alton Ochsner Medical Foundation
1516 Jefferson Hwy.
New Orleans, Louisiana 70121
Medical Director: S.G. Welborn, MD.
Program Director: E. Orr, RRT
Educational Coordinator: M. Buford, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 16 mos **Tuition:** $75 Sem **Awards:** Cert. **Next Survey:** 1981
Affiliates: University of New Orleans, New Orleans

Delgado College
615 City Park Ave.
New Orleans, Louisiana 70119
Medical Director: R. Klein, MD
Program Director: J.L. Clinton, CRTT
Educational Coordinator: T.L. Forrette
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** $425 Yr Res $1200 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Charity Hospital of Louisiana; Tulane Medical Center Hospital; Mercy Hospital;

Sara Mayo Hospital
625 Jackson Ave.
New Orleans, Louisiana 70130
Medical Director: S. Herbert, MD
Educational Coordinator: M.R. Zeron, CRTT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Touro Infirmary

MAINE

Southern Maine Vocational Technical Institute
Fort Rd.
South Portland, Maine 04106
Medical Director: P. Cox, MD
Program Director: C.F. Goodwin
Educational Coordinator: B. Waterbury
Prereq: H.S. **Begins:** Sep **Length:** 12 mos **Tuition:** None **Next Survey:** 1983
Affiliates: Maine Medical Center, Portland; Mercy Hospital, Portland;

MARYLAND

Sinai Hospital of Baltimore
Belvedere Ave. at Greenspring
Baltimore, Maryland 21215
Medical Director: M.L. Keller, MD
Program Director: R. Trader, RRT
Educational Coordinator: S. Schneider, RRT
Prereq: H.S. **Begins:** Sep **Length:** 12 mos **Tuition:** $800 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Community College of Baltimore

Peninsula General Hospital
100 E. Carroll St.
Salisbury, Maryland 21801
Medical Director: R. Layton, MD
Program Director: D. Snyder, CRTT
Educational Coordinator: R.A. Johnsen, CRTT
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

MASSACHUSETTS

Massachusetts General Hospital
Fruit St.
Boston, Massachusetts 02114
Medical Director: H. Pontoppiden, MD
Program Director: G.A. West, RRT
Educational Coordinator: L.P. Davis, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $1700 Yr **Awards:** Cert. **Next Survey:** 1982
Affiliates: Bunker Hill Community College, Charlestown;

Northern Essex Community College
100 Elliott St.
Haverhill, Massachusetts 01830
Medical Director: M.M. Goldstein, MD
Program Director: J.H. Carver, RRT
Educational Coordinator: G.M. Caprio, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $150 Res $250 Non-Res **Awards:** Cert. **Next Survey:** 1981
Affiliates: Anna Jacques Hospital, Newburyport; Lawrence Memorial Hospital, Medford; Hunt Memorial Hospital, Danvers; St. John's Hospital, St. Joseph's Hospital, Lowell General Hospital, all in Lowell;

Holliston Junior College
100 Summer St.
Holliston, Massachusetts 01746
Medical Director: C. Christoforides, MD
Program Director: R.T. Flynn, RRT
Educational Coordinator: G. Lamothe, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** $2950 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Framingham Union Hosp., Framingham; Milford Hosp., Milford; Beth Israel Hosp., Boston; Leonard Morse Hosp., Natick; Lawrence Memorial Hosp., Bedford; Waltham Hosp.; New England Deaconess Hosp., Boston; Cardinal Cushing Memorial Hospital, Brockton; Sommerville Hospital, Sommerville; St. Vincent Hospital;, Worcester; The Cambridge Hospital, Cambridge

MICHIGAN

Holy Cross Hospital
4777 E. Outer Drive
Detroit, Michigan 48224
Medical Director: D.B. Capobres, MD
Program Director: T.R. Grabke, RRT
Educational Coordinator: M.F. Brzakowski, RRT
Tuition: None **Awards:** None

Mount Carmel Mercy Hospital
6071 W. Outer Dr.
Detroit, Michigan 48235
Medical Director: W.S. Holt, Jr., MD
Program Director: M.J. Dillon, RRT
Educational Coordinator: R.P. Bodurka, RRT
Educational Coordinator: G.F. Oswell, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jun **Length:** 12 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1980

St. John's Hospital
22101 Moross Rd.
Detroit, Michigan 48236
Medical Director: W. Kujawski, MD
Educational Coordinator: M.K. Dwaihy, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $400 Yr **Awards:** Cert. **Next Survey:** 1980

Highland Park Community College
Glendale at Third
Highland Park, Michigan 48203
Medical Director: L.D. Victor, MD
Program Director: J.B. Matthews, RRT
Educational Coordinator: E.K. Wyatt, RRT
Prereq: H.S. **Class Cap.:** 60 **Begins:** Aug **Length:** 12 mos **Tuition:** $16 Cr Hr Res $26 Cr Non Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Detroit Osteopathic Hosp.; Harper Grace Hosp,-Central & Northern Div., Detroit; Hutzel Hosp., Detroit; SW Detroit Hosp.

Kalamazoo Valley Community College
6767 West O Ave.
Kalamazoo, Michigan 49009
Medical Director: G. Maynard, MD
Program Director: D. Rice, PhD
Program Director: H. Engert, RRT
Educational Coordinator: J.W. Taylor, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jan **Length:** 14 mos **Tuition:** $15 Cr Hr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Bronson Methodist Hospital; Borgess Hospital; Leila Post Montgomery Hospital, Battle Creek;

Lansing Community College
419 N. Capitol Ave.
Lansing, Michigan 48914
Medical Director: S.M. McMahon, MD
Medical Director: J.C. Hall, MD
Program Director: T.J. Stout, RRT
Educational Coordinator: J. Basel, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $763 Res $1195 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: St. Lawrence Hosp.; Edward W. Sparrow Hosp.; Ingham Med. Ctr.; Lansing General Hosp.

MINNESOTA

Anoka-Hennepin Area Vocational-Technical Institute
Box 191
Anoka, Minnesota 55303
Medical Director: R.H. Larson, MD
Program Director: D. Rogers, RRT, CRTT
Educational Coordinator: J.T. Plante, RRT
Prereq: H.S. **Class Cap.:** 32 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $440 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: U of M Hospitals & Clinics, Minneapolis; Mercy Medical Center, Coon Rapids; St Joseph's Hospital, St. Paul

MISSISSIPPI

Meridian Junior College
5500 Highway 19 North
Meridian, Mississippi 39301 393
Medical Director: L. Borrell, MD
Program Director: F.G. Costilow, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Aug **Length:** 12 mos **Tuition:** $183 **Awards:** Cert. **Next Survey:** 1982
Affiliates: St. Joseph Community Hosp.; Rush Foundation Hosp.

Pearl River Junior College/Hattiesburg Voc/Tech.
Station A
Poplarville, Mississippi 39470 394
Medical Director: K.S. Aldridge, MD
Program Director: C.W. Evans, CRTT
Educational Coordinator: L.W. Aultman, CRTT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 12 mos **Tuition:** $230 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Forrest General Hospital

Hinds Junior College
Raymond Campus
Raymond, Mississippi 39154
Medical Director: A. Jones, MD
Program Director: T. Woods, RRT
Educational Coordinator: J. Freeman, CRTT
Prereq: H.S. **Begins:** Aug **Length:** 12 mos **Tuition:** $280 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Hinds General Hosp.; St. Dominic's Hosp.

Itawamba Jr. College
653 Eason Blvd.
Tupelo, Mississippi 38801
Medical Director: A. Tannehill, MD
Program Director: K. Griffin, RRT
Tuition: None **Awards:** None
Affiliates: North Mississippi Medical Center

MISSOURI

State Fair Community College
1900 Clarendon Rd.
Sedalia, Missouri 65301
Medical Director: J. Block, MD
Program Director: S.R. Dawson, CRTT
Educational Coordinator: R. Grefrath, RRT
Prereq: H.S. GED **Class Cap.:** 18 **Begins:** Aug **Length:** 10 mos **Tuition:** $300 Res $495 Non-Res **Awards:** Cert. **Next Survey:** 1982
Affiliates: Brothwell Memorial Hospital; Golden Valley Memorial Hospital, Clinton; Fitzgibbon Memorial Hospital, Marshall

School District of Springfield R12
815 N. Sherman
Springfield, Missouri 65802
Medical Director: J. Coulter, MD
Medical Director: E. Gwinn, MD
Program Director: G. Berryman, RN
Educational Coordinator: L. Osborn, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Nov **Length:** 12 mos **Tuition:** $400 **Awards:** Cert.
Affiliates: Lester E. Cox Medical Center

NEBRASKA

Bryan Memorial Hospital
4848 Sumner St.
Lincoln, Nebraska 68506
Medical Director: M.J. Mathews, MD
Program Director: L. Engstrom
Educational Coordinator: D. Olson, Jr.
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug **Length:** 12 mos **Tuition:** $2380 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Elizabeth's Community Health Ctr.

NEW JERSEY

Burlington County Memorial Hospital
175 Madison Ave.
Mount Holly, New Jersey 08060
Medical Director: P.H. Varner, DO
Program Director: T.J. Locher, RRT
Educational Coordinator: M.W. Richter, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 16 mos **Tuition:** $1200 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Burlington Community College, Pemberton

College of Medicine and Dentistry of New Jersey
100 Bergen St.
Newark, New Jersey 07103
Medical Director: S.J. Holland, MD
Program Director: J.A. Trahey, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $600 Yr **Awards:** Cert. **Next Survey:** 1979
Affiliates: Martland Hospital; United Hospital Medical Center

Passaic County Community College
College Boulevard
Paterson, New Jersey 07509
Medical Director: S.L. Silberstein, MD
Program Director: J. Walker, RRT
Educational Coordinator: D. Hackley, CRTT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 18 mos **Tuition:** $225 Sem **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: St. Joseph's Hospital and Medical Center, Paterson; Chilton Memorial Hospital, Pompton Plains; Hackensack Hospital, Hackensack; Greater Paterson General Hosp.; Englewood Hospital, Englewood

NEW MEXICO

Albuquerque Technical-Vocational Institute
525 Buena Vista S.E.
Albuquerque, New Mexico 87106
Medical Director: B. Miller, MD
Program Director: D. Croxton
Educational Coordinator: R. Gentile
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 12 mos **Tuition:** None Res $400 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bernalillo County Medical Center; Presbyterian Hospital Center; St. Joseph Hospital

NEW YORK

Elmira College
College Ave.
Elmira, New York 14901
Medical Director: D.M. Webb, MD
Program Director: G.H. Spremulli, PhD
Educational Coordinator: A.F. Mullen, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $3808 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Arnot-Ogden Memorial Hospital; St. Joseph's Hospital; Schuyler Hospital, Montour Falls;

Charles S. Wilson Memorial Hospital
35-57 Harrison St.
Johnson City, New York 13790
Medical Director: J.A. Manzari, MD
Program Director: T.J. Aylward, RRT
Educational Coordinator: D.G. Metrus, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep **Length:** 12 mos **Tuition:** $1500 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

City of New York Hospital Affiliate
125 Worth St.
New York, New York, 10013
Medical Director: S. Dhar, MD
Program Director: S.J. Lightbody, RRT
Educational Coordinator: J.L. Klocek, RRT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Apr-Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Coney Island Hospital, Brooklyn; City Hospital at Elmhurst, Elmhurst; Bird S. Coller Hospital; Goldwater Memorial Hospital

New York University Medical Center
550 First Ave.
New York, New York 10016
Medical Director: J. Bartels, MD
Educational Coordinator: S. Steffee, RRT
Educational Coordinator: D.A.Theuman, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 12 mos **Tuition:** $800 Sem **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: Bellevue Hospital Center; New York Infirmary;

Onondaga Community College
Syracuse, New York 13215
Medical Director: J. Sipple, MD
Program Director: L. Reader, RRT
Educational Coordinator: C. Aloan, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jan **Length:** 12 mos **Tuition:** $775 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Crouse Irving Memorial Hosp.; Community General Hosp. of Greater Syracuse; St. Joseph's Hospital Health Center;

Mohawk Valley Community College
1101 Sherman Drive
Utica, New York 13501
Medical Director: P. Reitz, MD
Program Director: W.F. Perrotti, RRT
Educational Coordinator: L.L. Phillips, CRRT, RRT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 12 mos **Tuition:** $214 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Faxton Hospital; St. Elizabeth Hospital; St. Luke's Memorial Hospital; Crouse Irving Memorial Hospital

NORTH CAROLINA

Stanly Technical Institute
Route 4, Box 5
Albermarle, North Carolina 28001
Medical Director: E.E. Landis, Jr, MD
Program Director: K.G. Tidwell, RRT
Educational Coordinator: G. Siege, CRTT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 12 mos **Tuition:** $156 Yr Res $792 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Stanly County Hosp.; Mercy Hosp., Troy; Charlotte Memorial Hosp. & Med. Ctr., Charlotte; Presbyterian Hosp., Charlotte

NORTH DAKOTA

St. Luke's Hospitals
Fifth St. & Mills Ave.
Fargo, North Dakota 58102
Medical Director: B.M. Altenberg, MD
Program Director: D. Goetz, RRT
Educational Coordinator: G.P. Geiger, RN
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 13 mos **Tuition:** $400 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: North Dakota State Univ.

OHIO

Aultman Hospital Association
2600 Sixth St., S. W.
Canton, Ohio 44710
Medical Director: R.B. Miller, MD
Program Director: E.A. Daly, RRT
Educational Coordinator: F. Alexander, CRTT
Prereq: H.S. **Begins:** Jun **Length:** 12 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1983

Cincinnati Technical College
3520 Central Pkwy.
Cincinnati, Ohio 45223
Medical Director: R. Penman, MD
Program Director: G.A. Coomer, RRT
Program Director: T.E. Kober, PhD
Educational Coordinator: D.A. Greenlee, CRTT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $915 Yr Res $1342 Non Res **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: Bethesda Hospital; Children's Hospital Medical Center

College of Mount St. Joseph on the Ohio
Delhi Pk. & Neeb Rd.
Cincinnati, Ohio 45051
Medical Director: M.W. Brueggeman, MD
Program Director: R.P. Sferra, PhD
Educational Coordinator: R.A. Langenderfer, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 21 mos **Tuition:** $2208 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Christ Hospital; Children's Hospital Medical Center

Columbus Public Schools
52 Starling St.
Columbus, Ohio 43215
Medical Director: W.D. Inglis, MD
Program Director: R.A. McManus, CRTT
Educational Coordinator: T. Hall, CRRT
Educational Coordinator: W. Kleinhenz, CRTT
Prereq: H.S. **Class Cap.:** 34 **Begins:** Sep **Length:** 12 mos **Tuition:** $3050 **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Riverside Methodist Hosp.; Children's Hosp; Doctor's Hosp.

Miami Valley Hospital
1 Wyoming St.
Dayton, Ohio 45409
Medical Director: M. Craig, MD
Program Director: R. Dittmar, RRT
Educational Coordinator: W.S. Dietz
Prereq: H.S. **Class Cap.:** 20 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $400 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Children's Medical Center

Kettering Medical Center
3535 Southern Blvd.
Kettering, Ohio 45429
Medical Director: R. Krumholz, MD
Educational Coordinator: G. Apple, RRT
Educational Coordinator: R.L. Shellabarger, RRT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $400 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Children's Medical Center, Dayton

Shawnee State College
940 Second St.
Portsmouth, Ohio 45662
Medical Director: J. Cunningham, MD
Program Director: P. Doorley, RRT
Educational Coordinator: K. Wergin, CRTT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $920 **Awards:** Cert. **Next Survey:** 1981
Affiliates: Mercy Hospital; Medical Center Hospital, Chillicothe; Scioto Memorial Hospital;

University of Toledo Community & Technical College
2801 W. Bancroft St.
Toledo, Ohio 43606
Program Director: H.R. Stevens, MD
Program Director: J.M. Sullivan, RRT
Educational Coordinator: M.M. Traband, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun **Length:** 12 mos **Tuition:** $1040 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Toledo Hospital

St. Elizabeth Hospital
1044 Belmont Ave.
Youngstown, Ohio 44501
Medical Director: T.S. Bal, MD
Program Director: R.P. Lowery, RRT
Educational Coordinator: C.A. Cerni
Prereq: H.S. **Class Cap.:** 13 **Begins:** Sep **Length:** 12 mos **Tuition:** $562 Yr **Awards:** Cert. **Next Survey:** 1982

Muskingum Area Joint Vocational School for Adult Education
400 Richards Rd.
Zanesville, Ohio 43701
Medical Director: C.A. Wehr, MD
Educational Coordinator: R.E. Boyland, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $700 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Bethesda Hospital; Good Samaritan Hospital; Licking Memorial Hospital, Newark

OKLAHOMA

Baptist Medical Center of Oklahoma
3300 N.W. Expressway
Oklahoma City, Oklahoma 73112
Medical Director: N.K. Imes, MD
Program Director: H.F. Wetz, Jr, RRT
Educational Coordinator: T. Dake, CRTT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Aug **Length:** 12 mos **Tuition:** $750 **Awards:** Cert. **Next Survey:** 1982
Affiliates: St. Anthony's Hosp.; Mercy Health Center; Edmond Memorial Hosp.

OREGON

Rogue Community College
3345 Redwood Hwy.
Grants Pass, Oregon 97526
Medical Director: D.C. Boals, MD
Program Director: G. Nielsen
Educational Coordinator: H. Price, Jr, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $759 Yr. **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Rogue Valley Memorial Hospital, Medford; Providence Hospital, Medford; Josephine General Hospital;

Mt. Hood Community College
26000 S.E. Stark St.
Gresham, Oregon 97030
Medical Director: A. Barker, MD
Program Director: A. Witkowski, RRT
Educational Coordinator: P. Stewart, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Jun **Length:** 12 mos **Tuition:** $520 inDist. **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Emmanuel Hospital, Portland VA Hospital; Portland Adventists Hospital; Providence Hospital; St. Vincents Hospital; Bess Kaiser Hospital, University of Oregon Health Science Center

PENNSYLVANIA

Bryn Mawr Hospital
Bryn Mawr Ave.
Bryn Mawr, Pennsylvania 19010
Medical Director: E.A. Theurkauf, Jr., MD
Medical Director: N. Blair LeRoy, MD
Medical Director: W. Figueroa, MD
Program Director: P.J. Dorris, RRT
Educational Coordinator: D. Tattersall, RRT
Prereq: H.S. **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** $1000 Yr **Awards:** Cert. **Next Survey:** 1982
Affiliates: Hospital of the University of Pennsylvania, Philadelphia;

Hamot Medical Center
201 State St.
Erie, Pennsylvania 16512
Medical Director: J.T. Schaaf, MD
Program Director: A.J. DiLuzio, RRT
Educational Coordinator: C. Cornfield
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Frankford Hospital
Knights & Red Lion Rds.
Philadelphia, Pennsylvania 19114
Medical Director: W.A. Haeberle, MD
Program Director: S.J. Meehan Jr., RRT
Educational Coordinator: A.C. Hare, CRTT
Prereq: H.S. **Class Cap.:** 5 **Begins:** Sep,Mar **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert.
Affiliates: University of Pennsylvania Hospital; Children's Hospital of Pennsylvania

Hospital of the University of Pennsylvania
3400 Spruce St.
Philadelphia, Pennsylvania 19104
Medical Director: A.S. Katz, MD
Program Director: F.M. Hess, RRT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1981
Affiliates: Children's Hospital, Philadelphia;

James Martin School/Adult Vocational Training Ctr.
Richmond & Ontario Sts.
Philadelphia, Pennsylvania 19134
Medical Director: P. Kimbel, MD
Program Director: R.H. Knouse, RRT
Educational Coordinator: J. Middleton Jr.
Prereq: H.S. **Class Cap.:** 18 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $383 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Albert Einstein Medical Center; Hospital of the Medical College of Pennsylvania; Metropolitan Hospital

Mercy Catholic Medical Center
PO Box 19709
Philadelphia, Pennsylvania 19023
Medical Director: F.D. Cianciulli, MD
Program Director: L. Whomsley, CRTT
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1982
Affiliates: Hospital of the University of Pennsylvania

St. Francis General Hospital
45th St. off Penn Ave.
Pittsburgh, Pennsylvania 15201
Medical Director: S.S. Grover, MD
Program Director: A.M. Gameos, RRT
Educational Coordinator: D.P. DiGiacomo, CRTT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jul **Length:** 12 mos **Tuition:** $1500 **Awards:** Cert. **Next Survey:** 1980

Lehigh County Community College
2370 Main Street
Schnecksville, Pennsylvania 18078
Medical Director: J.E. Vincent, MD
Program Director: B. Lerdich, RRT
Prereq: H.S. **Class Cap.:** 21 **Begins:** Jun **Length:** 14 mos **Tuition:** $1188 **Awards:** Cert. **$Aid:** Scholarship
Affiliates: Allentown and Sacred Heart Hospital Center, Allentown; Sacred Heart Hospital, Allentown; Allentown Hosp. Assoc., Allentown; Muhlenberg Medical Center, Bethleham; St. Luke's Hospital, Bethleham; Easton Hospital, Easton; Gnaden Huetten Hospital

York Hospital
1001 S. George St.
York, Pennsylvania 17405
Medical Director: W. Rexrode, MD
Program Director: D. Hess, RRT
Educational Coordinator: G. Kauffman, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jun **Length:** 14 mos **Tuition:** $1000 **Awards:** Cert. **Next Survey:** 1981
Affiliates: St. Joseph's Hospital, Lancaster; York College; Lancaster General Hospital, Lancaster; South Central Pennsylvania Lung Assn.

RHODE ISLAND

Rhode Island Hospital
593 Eddy St.
Providence, Rhode Island 02902
Medical Director: S. Braman, MD
Program Director: M.T. Leone, RN
Educational Coordinator: S. Monyak, RRT
Prereq: H.S. **Begins:** July **Length:** 12 mos **Tuition:** $1050 **Awards:** Cert. **Next Survey:** 1979
Affiliates: Rhode Island Junior College; University of Rhode Island

SOUTH CAROLINA

Greenwood County Vocational Facilities
Northside Dr.
Greenwood, South Carolina 29646
Medical Director: F.W. Shealy, MD
Program Director: J. Chesson, RRT
Educational Coordinator: R.M. Pittavino, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $400 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Self Memorial Hosp.

SOUTH DAKOTA

McKennan Hospital
800 E. 21st St.
Sioux Falls, South Dakota 57101
Medical Director: M.C. Rost, MD
Program Director: B. Feistner, CRTT
Educational Coordinator: J.E. Croissant, RRT
Prereq: H.S. **Class Cap.:** 8 **Begins:** Mar-Sep **Length:** 12 mos **Tuition:** $750 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982

Sioux Valley Hospital
1100 S. Euclid
Sioux Falls, South Dakota 57105
Medical Director: R.R. Parry, MD
Program Director: G.W. Roberts, RRT
Educational Coordinator: G.A. Moss, RRT
Prereq: H.S. **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** $1000 **Awards:** Cert. **$Aid:** Scholarship

TENNESSEE

East Tennessee State Univ. Paramedical Center
1000 West E St.
Elizabethton, Tennessee 37643
Medical Director: R.S. Carter, MD
Program Director: D. Gemmell, CRTT
Educational Coordinator: D. Mack, CRTT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep-Mar **Length:** 12 mos **Tuition:** $154 Qtr **Awards:** Cert. **Next Survey:** 1982
Affiliates: Memorial Hosp., Inc., Johnson City; Holston Valley Community Hosp., Kingsport; Indian Path Hosp., Kingsport; Carter County Memorial Hospital

Volunteer State Community College
Nashville Pike
Gallatin, Tennessee 37066
Medical Director: J.H. Haynes, MD
Program Director: G. Constantin, RRT
Educational Coordinator: P. Bush, CRTT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $84 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Vanderbilt University Hospital, Nashville; St. Thomas Hospital, Nashville; Nashville Memorial Hospital, Madison; Madison Hospital, Madison; Sumner County Memorial Hospital;

Memphis Area Vocational-Technical School
620 Mosby Ave.
Memphis, Tennessee 38105
Medical Director: H. Davis, MD
Program Director: J. Roberts, RRT
Educational Coordinator: L. Smalley, CRTT
Prereq: H.S. **Class Cap.:** 40 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: V.A. Hospital; West Tennessee Chest Disease Hospital; St. Joseph Hospital; City of Memphis Hospitals; St. Joseph Hosp.

TEXAS

Alvin Community College
3110 Mustang Road
Alvin, Texas 77511
Medical Director: G.E. Smith, MD
Program Director: R. Brooke Kinser, RRT
Affiliates: Clear Lake Hospital; Memorial Hospital of Galveston County; Dan Forth Memorial Hospital;

Lamar University
PO Box 10001 Lamar U Station
Beaumont, Texas 77710
Medical Director: P.B. Shaw, MD
Program Director: P.A. Bronson, RRT
Educational Coordinator: P. Wallace, RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** May **Length:** 12 mos **Tuition:** $200 Sem **Awards:** Cert. **Next Survey:** 1982
Affiliates: Baptist Hospital of Southeast Texas; St. Elizabeth Hospital;

Del Mar College
Baldwin & Ayers
Corpus Christi, Texas 78404
Medical Director: J. Lore, MD
Program Director: K. Pilotte, RRT
Educational Coordinator: B. Gandy, RRT
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 12 mos **Tuition:** $100 Sem Res$255 Non-Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Doctors' Hospital; Driscoll Foundation Children's Hospital; Memorial Medical Center; Spohn Hospital;

El Centro College
Main & Lamar
Dallas, Texas 75202
Medical Director: W.F. Miller, MD
Program Director: J. Jones, RRT
Educational Coordinator: J. Ward, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Aug **Length:** 12 mos **Tuition:** $6 Cr Hr **Awards:** Cert. **Next Survey:** 1982
Affiliates: Baylor University Medical Center; Children's Medical Center; Parkland Hospital; St. Paul Hospital; Methodist Hospital; Medical City Dallas Hospital; Veteran's Administration Hospital;

Academy of Health Sciences
Fort Sam Houston, Texas, 78234
Medical Director: R.B. Blumer, MD
Educational Coordinator: J.W. Hoover, RRT
Educational Coordinator: P.D. Bass, RRT
Prereq: Military Only **Class Cap.:** 30 **Begins:** Jan-May Sep **Length:** 8 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Brooke Army Medical Center; Academy of Health Sciences; St. Phillips Jr. College, San Antonio;

Harris Hospital
1300 W. Cannon
Fort Worth, Texas 76104
Medical Director: J. Alexander, MD
Program Director: L.S. Fullagar, RRT
Educational Coordinator: D. Hanson, CRTT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Houston Community College
22 Waugh Drive
Houston, Texas 77007
Medical Director: H.I. Schweppe, MD
Program Director: N. Kelsey, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $471 **Awards:** Cert. **Next Survey:** 1983
Affiliates: St. Luke's Episcopal Hospital; Texas Children's Hospital; Texas Heart Institute; St. Joseph Hospital;

U of TX-School of Allied Hlth Sciences at Houston
PO Box 20036
Houston, Texas 77025
Medical Director: W. Miller, MD
Program Director: G.T. DeLapp, RRT
Educational Coordinator: R. McDonald, RRT
Affiliates: Hermann Hospital; M.D. Anderson Hospital;

Tarrant County Junior College
828 Harwood Rd.
Hurst, Texas 76053
Medical Director: R. Hyer, MD
Program Director: S. Holmes, RRT
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 12 mos **Tuition:** $4 Cr Hr Res $40 Non Res **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: St. Joseph Hospital; John Peter Smith Hospital; Arlington Memorial Hospital; All Saints Episcopal Hospital

St. Philip's College
2111 Nevada St.
San Antonio, Texas 78203
Medical Director: F. Holmstrom, MD
Program Director: R. Hamilton, MEd, RRT
Educational Coordinator: W.D. Bentley, RRT
Prereq: H.S. **Class Cap.:** 30 **Begins:** Sep **Length:** 12 mos **Tuition:** $168 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Bexar County Hospital District; Southwest Texas Methodist Hosp.; San Antonio Community Hosp.

Temple Junior College
2600 S. First St.
Temple, Texas 76501
Medical Director: J.W. Poppell, MD
Program Director: C.A. Kinne, RRT
Prereq: H.S. **Begins:** Sep **Length:** 21 mos **Tuition:** $24-Res$60 Non-Res **$Aid:** Scholarship
Affiliates: VA Hospital, Temple; Scotland White Hospital & Clinics, Temple

VIRGINIA

Mountain Empire Community College
Drawer 700
Big Stone Gap, Virginia 24219
Medical Director: L.J. Fleenor, MD
Program Director: D. Eastridge, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jun **Length:** 12 mos **Tuition:** $300 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Holston Valley Community Hosp., Kingsport; Lonesome Pine Hosp.; Norton Community Hosp.

The Fairfax Hospital
3300 Gallows Rd.
Falls Church, Virginia 22046
Medical Director: F. Fusco, MD
Program Director: A.A. Schmid Jr., RRT
Educational Coordinator: L. McDowell, RRT
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan **Length:** 12 mos **Tuition:** $200 **Awards:** Cert. **Next Survey:** 1980
Affiliates: Northern Virginia Community College, Annandale;

Central Virginia Community College
PO Box 4098 Fort Hill Station
Lynchburg, Virginia 24502
Medical Director: W.H. Barney, MD
Program Director: G.A. Olsen, BS, RRT
Educational Coordinator: M.N. Crawley, CRTT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Aug **Length:** 11 mos **Tuition:** $300 **Awards:** Cert. **Next Survey:** 1981
Affiliates: Virginia Baptist Hospital, Lynchburg; Lynchburg General-Marshall Lodge Hospitals, Inc., Lynchburg

Southwest Virginia Community College
Box #SVCC
Richlands, Virginia 24641
Medical Director: R. Krishman, MD
Program Director: R.L. Williams, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep
Length: 12 mos **Tuition:** $300 **Awards:** Cert.
Next Survey: 1982
Affiliates: Bluefield Community Hospital, Bluefield; Clinch Valley Community Hospital; Smyth County Community Hospital, Marion Bristol Memorial Hospital, Bristol, TN-VA; St. Luke's Hospital, Blufield, WVA;

Tidewater Community College
1700 College Crescent
Virginia Beach, Virginia 23456
Medical Director: W.R. Cooper, MD
Program Director: R. Hoag, RRT
Educational Coordinator: C. Boehm, RRT
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jun-Sep **Length:** 12 mos **Tuition:** $400
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Children's Hospital of King's Daughters, Norfolk; Leigh Memorial Hospital, Norfolk; General Hospital of Virginia Beach Norfolk General Hospital, Norfolk

Winchester Memorial Hospital
S. Stewart St.
Winchester, Virginia 22601
Medical Director: J. Deignan, MD
Program Director: M.F. Heisey, RRT
Educational Coordinator: W. Golliday, RRT
Prereq: H.S. **Class Cap.:** 12 **Begins:** Jun
Length: 14 mos **Tuition:** $2200 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Shenandoah College; Medical College of Virginia Hosps.

WASHINGTON

Skagit Valley College
2405 College Way
Mt. Vernon, Washington 98273
Medical Director: B.D. Kennedy, MD
Program Director: R.M. O'Leary, RRT
Educational Coordinator: J.K. Berry, CRRT
Next Survey: 1983
Affiliates: Skagit Valley Hospital; Swedish Hospital Medical Center; United General Hospital; Providence Hospital;

Seattle Central Community College
1702 Harvard
Seattle, Washington 98122
Medical Director: T.R. Rogers, MD
Program Director: P. Rustad, RRT
Prereq: H.S. **Class Cap.:** 18 **Begins:** Mar
Length: 11 mos **Tuition:** $96 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Swedish Hospital Medical Center; Virginia Mason Hospital; Doctor's Hospital; Harborview Hospital;

Tacoma Community College
5900 S. 12th St.
Tacoma, Washington 98465
Medical Director: D.E. Lee, MD
Program Director: R. Radford, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Jun
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: St. Joseph Hospital

WISCONSIN

Trinity Memorial Hospital
5900 S. Lake Dr.
Cudahy, Wisconsin 53110
Program Director: J.H. Cicman, RRT
Educational Coordinator: K.O. Becker, RRT
Prereq: H.S. **Class Cap.:** 7 **Begins:** Apr,Oct **Length:** 12 mos **Tuition:** $1140
Awards: Cert. **Next Survey:** 1983

Northeast Wisconsin Technical Institute
2740 West Mason St.
Greenbay, Wisconsin 54303
Medical Director: W.M. Cross, MD
Medical Director: K.R. Kubsch, MD
Program Director: J.A. Larson, RRT
Prereq: H.S. **Class Cap.:** 15 **Begins:** Mar
Length: 12 mos **Tuition:** $350 **Awards:** Voc.D **$Aid:** Scholarship **Next Survey:** 1983
Affiliates: Bellin Memorial Hospital; St. Vincent Hospital; St. Mary's Hospital & Medical Center

Milwaukee Area Technical College
1015 North 6th Street
Milwaukee, Wisconsin 53203
Medical Director: A.J. Schachter, MD
Program Director: M. Hoffman, RRT
Educational Coordinator: P. Lamere, BS, RRT
Tuition: None **Awards:** None **Next Survey:** 1983
Affiliates: St. Joseph's Hospital; St. Michael's Hospital; Veteran's Administration Hospital;

Milwaukee County Medical Complex
8700 W. Wisconsin Ave.
Milwaukee, Wisconsin 53226
Tuition: None **Awards:** None **Next Survey:** 1980

Specialist in Blood Bank Technology

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

CALIFORNIA

Memorial Hospital Medical Center of Long Beach
2801 Atlantic Ave.
Long Beach, California 90801
Medical Director: A. Barnes, Jr, MD
Educational Coordinator: J.K. Wilson, MT(ASCP) SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 3
Begins: Jan **Length:** 12 mos **Tuition:** None
$Aid: Stipend **Next Survey:** 1980
Affiliates: Los Angeles-Orange Counties Red Cross, Los Angeles

St. Mary Medical Center-Bauer Hospital
1050 Linden Ave.
Long Beach, California 90801
Medical Director: T.S. Li, MD
Educational Coordinator: L. Hasz, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 2 **Begins:** Jan **Length:** 12mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Los Angeles-Orange Counties-Red Cross Blood Center
1130 S. Vermont Ave.
Los Angeles, California 90006
Program Director: C.L. Spurling, MD
Educational Coordinator: E. Goldstein, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4
Begins: Varies **Length:** 12 mos **Tuition:** None **Awards:** Train Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982
Affiliates: California State University - Dominguez Hills; Memorial Hospital Medical Center,Long Beach; St. Mary's Hospital, Long Beach; University of California Medical Center - Irvine, Orange;

University of California/Irvine Medical Center
101 City Dr., S.
Orange, California 92668
Medical Director: A.M. Martinez, MD
Educational Coordinator: P. Arnold, BB(ASCP)
Prereq: MT(ASCP) or Deg **Class Cap.:** 2
Begins: Jan **Length:** 12 mos **Tuition:** None
$Aid: Stipend **Next Survey:** 1983

Sacramento Medical Foundation Blood Bank
3142 'J'. St.
Sacramento, California 95817
Medical Director: V. Caggiano, MD
Educational Coordinator: P.H. Stifter, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Begins:** Jan
Length: 12 mos **Tuition:** None **Awards:** SBB **Next Survey:** 1981
Affiliates: Sutter Memorial Hospital; Mercy General Hospital;

Irwin Memorial Blood Bank of San Francisco Medical Society
270 Masonic Ave.
San Francisco, California 94118
Program Director: H.A. Perkins, MD
Educational Coordinator: B. Frank, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 5
Begins: Jan **Length:** 12 mos **Tuition:** None
$Aid: Stipend **Next Survey:** 1980
Affiliates: University of California Medical Center

WASHINGTON, D.C.

American National Red Cross
1730 E St., N.W.
Washington, D.C. 20006
Medical Director: L.F. Barker, MD
Program Director: K. Murawski, MD
Educational Coordinator: B. Haley, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 6
Begins: Sep **Length:** 12 mos **Tuition:** None
Awards: Cert **$Aid:** Stipend **Next Survey:** 1982
Affiliates: American Red Cross Blood Services; G. Washington University Medical Center; National Naval Medical Center, Bethesda, MD;

Walter Reed Medical Center
6825-16th St.
Washington, D.C. 20012
Medical Director: Col T. Zuck, MD
Medical Director: Maj M. Simpson, MD
Program Director: LTC. J.H. Radcliffe, SBB(ASCP)
Educational Coordinator: Cpt L. Lippert, SBB(ASCP)
Prereq: MT(ASCP) **Class Cap.:** 8 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Bowling Green State University, B.G., Ohio; National Naval Medical Center, Bethesda, MD;

FLORIDA

Central Florida Blood Bank
1300 S. Kuhl Ave.
Orlando, Florida 32806
Program Director: O.W. Freeman, MD
Educational Coordinator: L.Lipsit, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 5
Begins: Sep **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1981

GEORGIA

Emory University Hospital
1364 Clifton Rd., N.E.
Atlanta, Georgia 30322
Medical Director: C.F. Whitsett, MD
Medical Director: A.J. Grindon, MD
Educational Coordinator: M.A. Schiffer, MT(ASCP)SBB
Educational Coordinator: D.J. Ham, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 6
Begins: Jan **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1981

ILLINOIS

Michael Reese Hospital & Medical Center
2900 S. Ellis Ave.
Chicago, Illinois 60616
Medical Director: A.R. Orlina, MD
Program Director: P.J. Unger, MT(ASCP)SBB
Prereq: H.S. **Class Cap.:** 2 **Begins:** Jun
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

Mount Sinai Hospital Medical Center
2750 W. 15th Place
Chicago, Illinois 60608
Program Director: C.L. Lee, MD
Educational Coordinator: L. Lukomskyj, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4
Begins: Sep **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1982

University of Illinois Hospital
840 South Wood Street
Chicago, Illinois 60612
Medical Director: D.O. Kasprisin, MD
Program Director: A. Maturen, PhD, MT(ASCP)
Educational Coordinator: B. Fiorella, MT(ASCP)SBB
Prereq: Deg MT(ASCP) **Class Cap.:** 4
Begins: Sep **Length:** 12 mos **Awards:** Cert.
Next Survey: 1980

Lutheran General Hospital
1775 Dempster St.
Park Ridge, Illinois 60068
Program Director: T. Okuno, MD
Educational Coordinator: A. Nelson, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 2 **Begins:** Oct **Length:** 12 mos **Tuition:** $3600 Yr
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1979

KANSAS

St. Francis Hospital
929 N. St. Francis Ave.-PO Box
Wichita, Kansas 67201
Medical Director: K.W. Bruner, Jr, MD
Medical Director: G. Sabin Jr, MD
Educational Coordinator: K.W. Jennings, MT(ASCP)SBB
Educational Coordinator: G. Boose, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 2
Begins: Dec **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1981

Wesley Medical Center
550 N. Hillside Ave.
Wichita, Kansas 67214
Medical Director: J.H. Marymont, Jr, MD
Educational Coordinator: J.K. Nossaman, MT(ASCP)SBB, Ac
Prereq: MT(ASCP) or Deg **Class Cap.:** 3
Begins: Jan **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1979

KENTUCKY

Central Kentucky Blood Center
330 Waller Avenue
Lexington, Kentucky 40504
Program Director: I.E. Roeckel, MD
Educational Coordinator: J. Wells, MT(ASCP)SBB
Educational Coordinator: J.G. Bryant, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 2
Begins: Jan **Length:** 12 mos **Tuition:** None
$Aid: Scholarship **Next Survey:** 1980

University of Kentucky Medical Center
#103 Administration Bldg
Lexington, Kentucky 40506
Program Director: I.E. Roeckel, MD
Educational Coordinator: J. Wells, MT(ASCP)SBB
Educational Coordinator: J.G. Bryant, MT(ASCP)SBB
Prereq: MT(ASCP) Degree **Class Cap.:** 2
Begins: Jan **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1978

Louisville Medical Center Blood Bank
510 E. Chestnut St.-PO Box 167
Louisville, Kentucky 40201
Medical Director: M.P. Meadors, Jr., MD
Program Director: Col. F.R. Camp, Jr., USA(Ret)
Educational Coordinator: C. Wiedmer, MT(ASCP)SBB
Prereq: Degree MT(ASCP) **Class Cap.:** 2
Begins: Sep **Length:** 12 mos **Tuition:** $7800
Next Survey: 1979
Affiliates: Methodist Hosp.; Jewish Hosp.; Norton-Chilren's Hosp.; General Hosp.

LOUISIANA

Lafayette Charity Hospital
311 W. St. Mary Blvd.
Lafayette, Louisiana 70501
Program Director: P. Avet, MD
Educational Coordinator: C.P. Edney, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 2
Begins: Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981

Alton Ochsner Medical Foundation
1516 Jefferson Hwy.
New Orleans, Louisiana 70121
Medical Director: E.S. Cooper, MD
Educational Coordinator: S.M. Hickman, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 3
Begins: Oct **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1982

Charity Hospital of Louisiana at New Orleans
1532 Tulane Ave.
New Orleans, Louisiana 70140
Program Director: D. deJongh, MD
Educational Coordinator: M.E. Wallace, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4
Begins: Oct **Length:** 12 mos **Tuition:** None
Awards: Cert. **Next Survey:** 1982

New Orleans Blood Bank
312 S. Galvez St.
New Orleans, Louisiana 70119
Medical Director: R.E. Klein, MD
Educational Coordinator: M. Gidden, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 2
Begins: Oct/Jan **Length:** 12 mos **Tuition:** None **Awards:** Diplo **$Aid:** Stipend & Scholarship **Next Survey:** 1982

Southern Baptist Hospital
2700 Napoleon Ave.
New Orleans, Louisiana 70115
Program Director: L.R. Bryant, Jr., MD
Educational Coordinator: M.S. Giddens, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4
Begins: Oct **Length:** 12 mos **Tuition:** None
Awards: Cert. **Next Survey:** 1982
Affiliates: Oschner Foundation Hospital; New Orleans Blood Bank; Charity Hospital of Louisiana; Gamma Biologicals, Houston

MARYLAND

J. Hopkins Hosp. and Essex Comm. Coll.
601 North Broadway.
Baltimore, Maryland 21205
Medical Director: R.C. Rock, MD
Educational Coordinator: M. Baldwin, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 5 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

National Institutes of Health Clinical Center Blood Bank
9000 Rockville Pike
Bethesda, Maryland 20014
Medical Director: P.V. Holland, MD
Educational Coordinator: M.Gustafson, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 5
Begins: Sep **Length:** 18 mos **Tuition:** None
$Aid: Stipend **Next Survey:** 1981

MASSACHUSETTS

New England Deaconess Hospital
185 Pilgrim Rd.
Boston, Massachusetts 02215
Program Director: A.K. Kim, MD
Educational Coordinator: M.Y. Mitsiu, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 6
Begins: Jan **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend & Scholarship
Next Survey: 1979

MICHIGAN

Hutzel Hospital
4707 St. Antoine
Detroit, Michigan 48201
Program Director: E. Booth, MD
Educational Coordinator: G.E. Hill, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 2 **Begins:** Jan **Length:** 0012 **Tuition:** None **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Wayne State University; Southeastern Red Cross; Beaumont Hospital, Royal Oak;

Mount Carmel Mercy Hospital
6071 W. Outer Dr.
Detroit, Michigan 48235
Program Director: K. Fawcett, MD
Educational Coordinator: R. Bedrick, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 2
Begins: Dec **Length:** 12 mos **Tuition:** None
Next Survey: 1983

Southeast Michigan Red Cross Blood Center
100 Mack Avenue
Detroit, Michigan 48232
Program Director: A.W. Shafer, MD
Educational Coordinator: K.M. Beattie, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 2 **Begins:** Jan **Length:** 24 mos **Tuition:** $1980 **Awards:** M.S. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: William Beaumont Hospital, Royal Oak; Hutzel Hospital; Harper Hospital; Wayne County General Hospital, Eloise; St. John Hospital; St. Joseph Mercy Hospital, Pontiac; Pontiac General Hospital, Pontiac; Mt. Carmel Mercy Hospital; Oakwood Hospital, Dearborn

William Beaumont Hospital
3601 West Thirteen Mile Rd.
Royal Oak, Michigan 48072
Program Director: R.H. Walker, MD
Educational Coordinator: P. Miller, MT(ASCP) SBB, Actg
Prereq: MT(ASCP) or Deg **Class Cap.:** 1
Begins: Jan **Length:** 12 mos **Tuition:** None
Awards: Cert **Next Survey:** 1982

MINNESOTA

Minneapolis War Memorial Blood Bank
2304 Park Ave.
Minneapolis, Minnesota 55404
Program Director: H.F. Polesky, MD
Educational Coordinator: N.Johnson, MT(ASCP) SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4
Begins: Jan **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend & Scholarship
Next Survey: 1981

MISSOURI

U of Missouri Med Ctr-Columbia Sch. of Medicine
Jesse Hall
Columbia, Missouri 65212
Medical Director: L.W. Gaston, MD
Educational Coordinator: M. Mitchell, MT(ASCP)SBB
Prereq: M.T. **Class Cap.:** 3 **Begins:** Feb
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Red Cross Sub Center

Barnes Hospital
4949 Barnes Hospital Plaza
St. Louis, Missouri 63110
Program Director: L.A. Sherman, MD
Prereq: MT(ASCP) **Class Cap.:** 4 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1978
Affiliates: St. Louis Jewish Hospital; MO-IL Red Cross;

Missouri-Illinois Regional Blood Program
4050 Lindell Blvd.
St. Louis, Missouri 63108
Program Director: W.V. Miller, MD
Educational Coordinator: P.J. Nicodomus, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 5
Begins: Feb **Length:** 12 mos **Tuition:** None
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1982
Affiliates: Barnes Hospital; St. Louis Univ Hospitals; St. John's Mercy Hospital; Jewish Hospital of St. Louis;

The Jewish Hospital of St. Louis
216 S. Kingshighway Blvd.
St. Louis, Missouri 63110
Program Director: M.A. Levy, MD
Educational Coordinator: F.L. Tuscany, MT(ASCP)BB
Prereq: MT(ASCP) or Deg **Class Cap.:** 2 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** SBB **Next Survey:** 1983
Affiliates: Barnes Hospital

NEW YORK

United Hospital
406 Boston Post Rd.
Port Chester, New York 10573
Program Director: J.J. Lewin, R.EEG T.
Prereq: H.S. 1 yr Coll **Class Cap.:** 5 **Begins:** Jan-Apr Jul-Oct **Length:** 6 mos **Tuition:** $750 **Awards:** Cert **Next Survey:** 1981
Affiliates: New York Hospital, NYC; Nassau County Medical Center, E. Meadow, LI; East Orange VA Hospital, East Orange;

State University of New York-Upstate Medical Center
766 Irving Ave.
Syracuse, New York 13210
Program Director: J.B. Henry, MD
Educational Coordinator: K.C. Sheedy, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 2 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** No **$Aid:** Stipend **Next Survey:** 1981

NORTH CAROLINA

North Carolina Memorial Hospital
Manning Dr.
Chapel Hill, North Carolina 27514
Medical Director: W.J. Kuhns, MD
Educational Coordinator: S.C. Morris, MT(ASCP)BB
Prereq: MT(ASCP) Deg **Class Cap.:** 3 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** Cert **Next Survey:** 1982

Rex Hospital
1311 St. Mary's St.
Raleigh, North Carolina 27603
Program Director: R.E. Kanich, MD
Educational Coordinator: E. Petteway, MT(ASCP)BB
Prereq: MT(ASCP) Deg **Class Cap.:** 3 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1982

OHIO

Paul I. Hoxworth Blood Center-Univ. of Cincinnati
3231 Burnet Ave.
Cincinnati, Ohio 45267
Program Director: J.W. Alexander, MD
Educational Coordinator: S.D. Rolih, MS,MT(ASCP)SBB
Prereq: MT(ASCP) Deg **Class Cap.:** 7 **Begins:** Sep **Length:** 12 mos **Tuition:** ASCP **Awards:** ASCP (SBB) **$Aid:** Stipend & Scholarship **Next Survey:** 1982

Ohio State University Hospital Blood Bank
410 W. 10th Ave.
Columbus, Ohio 43210
Program Director: D. Senhauser, MD
Educational Coordinator: W. Hawley, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4 **Begins:** Oct **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983

Community Blood Center
349 S. Main St.
Dayton, Ohio 45402
Medical Director: J.W. Funkhouser, MD
Program Director: D.M. Mallory, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 2 **Begins:** Jan **Length:** 12 mos **Tuition:** None **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Miami Valley Hospital

PENNSYLVANIA

Penn-Jersey Regional Red Cross
23rd & Chestnut Streets
Philadelphia, Pennsylvania 19132
Medical Director: W. Sherwood, MD
Program Director: S. Busch, MT(ASCP)SBB
Prereq: BS MT(ASCP) **Class Cap.:** 4 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** SBB (ASCP) **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Hospital of the University of Pennsylvania

Central Blood Bank of Pittsburgh
812 Fifth Ave.
Pittsburgh, Pennsylvania 15219
Medical Director: R.O. Gilcher, MD
Educational Coordinator: J. Sherwin, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4 **Begins:** Varies **Length:** 12 mos **Tuition:** None **Awards:** (ASCP)SBB **$Aid:** Stipend **Next Survey:** 1980

TENNESSEE

Baptist Memorial Hospital
899 Madison Ave.
Memphis, Tennessee 38146
Program Director: E.E. Muirhead, MD
Program Director: G.M. Neitzer, MT(ASCP)SBB
Educational Coordinator: L.L. Woods, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

Methodist Hospital
1265 Union Ave.
Memphis, Tennessee 38104
Medical Director: J.R. Hilsenbeck, MD
Educational Coordinator: J.S. Smalley, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 3 **Begins:** Nov **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

The University of Tennessee Center for the Health Sciences
62 South Dunlap
Memphis, Tennessee 38163
Medical Director: J. Francisco, MD
Program Director: M.C. Pridgen, MMSC. MT(ASCP)SB
Prereq: MT(ASCP) or Deg exp. **Class Cap.:** 7 **Begins:** Sep **Length:** 21 mos **Tuition:** $218 Res $530 Non Res **Awards:** Degre **Next Survey:** 1980
Affiliates: City of Memphis Hospital; St. Jude Children's Research Hospital;

Vanderbilt University Medical Center
3200 West End Ave.
Nashville, Tennessee 37232
Medical Director: C.H. Wallas, MD
Medical Director: D.Esenkins, MD
Educational Coordinator: P. Tanley, MT(ASCP)SBB
Educational Coordinator: N. Brenner, MT(ASCP) SBB
Prereq: H.S. **Class Cap.:** 2 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

TEXAS

Nueces County Med. Society Community Blood Bank
1620 Brownlee
Corpus Christi, Texas 78404
Medical Director: F.M. Parks, MD
Prereq: Degree **Class Cap.:** 2 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1983
Affiliates: Memorial Medical Center; Spohn Hospital

Dallas County Hospital District
5201 Harry Hines Blvd.
Dallas, Texas 75235
Medical Director: V.A. Stembridge, MD
Program Director: L.R. Guy, PhD
Educational Coordinator: S.M. Steane, MT(ASCP)SBB
Prereq: MT(ASCP) **Class Cap.:** 4 **Begins:** Feb **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

University of Texas Medical Branch at Galveston
Galveston, Texas 77550
Medical Director: E. Patten, MD
Educational Coordinator: D.L. Williams, MT(ASCP)SBB
Educational Coordinator: C.J.M. Glinski, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

St. Luke's Episcopal Hospital
6720 Bertner Ave.
Houston, Texas 77030
Medical Director: J.D. Milam, MD
Educational Coordinator: M. Ruzicka, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4 **Begins:** Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1983

U of TX-School of Allied Hlth Sciences at Houston
PO Box 20036
Houston, Texas 77025
Medical Director: B. Lichtiger, MD
Educational Coordinator: B. House, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 2 **Begins:** Sep **Length:** 12 mos **Tuition:** $132 res $1280 non res **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Bexar County Hospital District
4502 Medical Dr.
San Antonio, Texas 78284
Medical Director: M.M. Montiel, MD
Educational Coordinator: B.D. Janes, MT(ASCP)SBB
Prereq: Degree MT(ASCP) **Class Cap.:** 2 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979

UTAH

L.D.S. Hospital
325 Eighth Ave.
Salt Lake City, Utah 84143
Medical Director: R.M. Laub, MD
Program Director: J. OwYoung, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** SBB **Next Survey:** 1982
Affiliates: University of Utah

VIRGINIA

American Red Cross Blood Service
611 Brambleton Avenue
Norfolk, Virginia 23510
Educational Coordinator: D. Sobol, MT(ASCP)SBB
Prereq: MT(ASCP) **Begins:** Jan **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Medical Center Hospitals

Medical College of Virginia/Virginia Commonwealth University
910 West Franklin St.
Richmond, Virginia 23284
Medical Director: D. Sharp, MD
Program Director: A.A. Hossaini, PhD
Prereq: MT(ASCP) or Deg **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** $344 YrRes $504 Non Res **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

WISCONSIN

Milwaukee Blood Center, Inc.
1701 W. Wisconsin Ave.
Milwaukee, Wisconsin 53233
Medical Director: R.H. Aster, MD
Program Director: G.M. Schulze, MT(ASCP)SBB
Prereq: MT(ASCP) or Deg **Class Cap.:** 4 **Begins:** Jan **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981
Affiliates: Milwaukee County General Hospital

Surgeon's Assistant

Prereq.--admission requirements
Length--length of educational program
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ALABAMA

University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294
Program Director: H.L. Laws, MD
Prereq: 2 yrs Coll **Class Cap.:** 15 **Begins:** Sep **Length:** 24 mos **Tuition:** $210 Qtr-Res$420 Non-Res **Awards:** Cert. B.S.
Next Survey: 1981

NEW YORK

Cornell University Medical College
525 E. 68th St.
New York, New York 10021
Program Director: P. Dineen, MD
Prereq: 2 yrs Coll **Class Cap.:** 12 **Begins:** Jan **Length:** 24 mos **Tuition:** $4000 **Awards:** Cert. **Next Survey:** 1981
Affiliates: North Shore Univ. Hospital, Manhasset

NORTH CAROLINA

University of North Carolina
South Building
Chapel Hill, North Carolina 27514
Program Director: W. Paul Biggers, MD
Prereq: 2 yrs **Class Cap.:** 7 **Begins:** Sep **Length:** 24 mos **Tuition:** $80 **Awards:** Cert.
Next Survey: 1982

Surgical Technologist (Operating Room Technician)

Prereq.--admission requirements
Length--length of educational program.
Begins--date classes begin
Class Cap.--maximum students per class
Tuition--annual if not specified
$ Aid--scholarship and/or stipend offered
Awards--degree or certificate granted by program
Next Survey--anticipated date of resurvey for continuing accreditation
Affiliates--institution (academic and/or clinical) providing clinical practice

ARKANSAS

University of Arkansas Medical Sciences
4301 W. Markham
Little Rock, Arkansas 72204
Program Director: R.C. Read, MD
Educational Coordinator: B. Johnson
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug **Length:** 10 mos **Tuition:** $460 Res $1090 Non-Res **Awards:** Cert **$Aid:** Stipend **Next Survey:** 1980
Affiliates: University of Arkansas for Medical Sciences; St. Vincent's Infirmary; Baptist Medical Center; Children's Hospital;

CALIFORNIA

Bakersfield Adult School
California & F Sts.
Bakersfield, California 93301
Program Director: T. Kemble, RN
Educational Coordinator: R. Bennett
Prereq: 11th Grade **Class Cap.:** 12 **Begins:** Oct **Length:** 9 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: Kern Medical Center; San Joaquin Community Hospital; Bakersfield Community Hospital

College of California Medical Affiliates
214 Van Ness Ave.
San Francisco, California 94102
Educational Coordinator: K.E. Quinn
Prereq: H.S. **Class Cap.:** 12 **Begins:** Feb,Jun Nov **Length:** 9 mos **Tuition:** $400 Mo
Awards: Cert. **Next Survey:** 1980
Affiliates: Kaiser Foundation Hospital, Vallejo; U.S. Public Health Hospital; Veteran's Hospital;

American College of Paramedical Arts and Sciences
1800 North Broadway
Santa Ana, California 92706
Program Director: S. Francisco, CORT, CST
Educational Coordinator: G. Cheung, PhD
Prereq: H.S. **Class Cap.:** 17 **Begins:** Monthly **Length:** 11 mos **Tuition:** $2250 Yr
Awards: Cert **$Aid:** Stipend & Scholarship
Next Survey: 1980
Affiliates: Chapman General Hospital, Orange; Riverview Hospital; San Gabriel Community Hospital; Whittier Hospital, Whittier; Good Samaritan Hospital, Anaheim;

Simi Valley Adult School
3150 School St.
Simi Valley, California 93065
Program Director: M. MacGregor, RN
Educational Coordinator: G.R. Merrifield, MEd
Prereq: H.S. **Class Cap.:** 20 **Begins:** Jul **Length:** 12 mos **Tuition:** $75 Sem **Awards:** Cert. **Next Survey:** 1980
Affiliates: St. John's Hospital, Oxnard; Simi Valley Adventist Hospital; Pleasant Valley Hospital, Camarillo; Granada Hills Hospital, Granada Hills;

CONNECTICUT

Danbury Hospital
24 Hospital Ave.
Danbury, Connecticut 06810
Program Director: J. Mancini, RN
Educational Coordinator: G. Robilotti
Prereq: H.S. **Class Cap.:** 8 **Begins:** Sep **Length:** 12 mos **Tuition:** $50 Yr **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980

Manchester Community College
60 Bidwell St. - P.O. Box 1046
Manchester, Connecticut 06040
Program Director: M.D. Fenton, PhD
Educational Coordinator: J. Leupold, RN
Educational Coordinator: L. Harris, CORT
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 24 mos **Tuition:** $125 Sem **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Hartford Hospital, Hartford; New Britain General Hosp., New Britain

FLORIDA

Daytona Beach Community College
Welch Boulevard
Daytona Beach, Florida 32015
Program Director: P.S. Stark
Educational Coordinator: M. D'Aubony
Prereq: H.S. **Class Cap.:** 13 **Begins:** Aug **Length:** 11 mos **Tuition:** $284 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Halifax Hospital Medical Center

Baptist Hospital
1000 W. Moreno St.
Pensacola, Florida 32501
Educational Coordinator: L. Fell, RN
Prereq: L.P.N. **Class Cap.:** 10 **Begins:** Jan-Jun **Length:** 6 mos **Tuition:** None
Awards: Cert. **Next Survey:** 1980
Affiliates: Baptist Hospital, Pensacola,

Brewster Adult Technical School
105 W. Ross Ave.
Tampa, Florida 33602
Program Director: K.A. Langford, RN
Educational Coordinator: H.F. Vaucher, RN
Prereq: H.S. **Class Cap.:** 13 **Begins:** Varies **Length:** 10 mos **Tuition:** $150 Yr **Awards:** Cert **Next Survey:** 1980
Affiliates: Tampa General Hospital, Tampa: St. Joseph's Hospital, Tampa; Universisty Community Hospital, Tampa

GEORGIA

De Kalb Community College
955 N. Indian Creek Dr.
Clarkston, Georgia 30021
Program Director: B.L. Mellinger
Educational Coordinator: F. Johnston, RN
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 9 mos **Tuition:** $18 Qtr **Awards:** Cert. **Next Survey:** 1979
Affiliates: DeKalb General Hospital, Northside Hospital, Doctors Memorial Hospital, Piedmont Hospital, all in Atlanta; Shallowford Community Hospital, Chamblee;

Memorial Medical Center
4700 Waters Avenue
Savannah, Georgia 31404
Program Director: E.H. Boegli
Educational Coordinator: Claudia T. Welch
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep **Length:** 12 mos **Tuition:** $800 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Memorial Medical Center;

IDAHO

Boise State University
1910 University Dr.
Boise, Idaho 83725
Program Director: E. Curtis
Prereq: H.S. **Class Cap.:** 14 **Begins:** Sep **Length:** 9 mos **Tuition:** $184.50 **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St. Alphonsus Hospital

ILLINOIS

Belleville Area College
2500 Carlyle Rd.
Belleville, Illinois 62221
Program Director: M. Frew
Prereq: H.S. **Class Cap.:** 14 **Begins:** Aug **Length:** 9 mos **Tuition:** $429 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: St. Elizabeth Hospital; Memorial Hospital

Parkland College
2400 West Bradley Avenue
Champaign, Illinois 61820
Educational Coordinator: B. Colwell
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 10 mos **Tuition:** $17 Hr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Carle Foundation Hospital, Urbana; Mercy Hospital, Urbana; Burham City Hospital;

Illinois Central College
Health-Math-Science Division
East Peoria, Illinois 61635
Program Director: R.A. Briggs
Prereq: H.S. **Class Cap.:** 10 **Begins:** Jan-Aug **Length:** 9 mos **Tuition:** $12 Cr. Hr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Proctor Community Hospital, Peoria; Methodist Medical Center, Peoria

Moline Public Hospital
635 Tenth Ave.
Moline, Illinois 61265
Program Director: B. Saelens, RN
Educational Coordinator: E. Feeney, RN
Prereq: H.S. **Class Cap.:** 8 **Begins:** Aug
Length: 9 mos **Tuition:** $100 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Black Hawk College

Moraine Valley Community College
10900 S. 88 Ave.
Palos Hills, Illinois 60465
Director: C. Bergeron
Educational Coordinator: C. Bergeron
Prereq: H.S. **Class Cap.:** 21 **Begins:** Aug
Length: 12 mos **Tuition:** $360 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: St. Francis Hospital, Blue Island; St. James Hospital, Chicago Heights; Christ Community Hospital, Oak Lawn; Ingalls Memorial Hospital, Harvey;

Blessing Hospital
1005 Broadway St.
Quincy, Illinois 62301
Program Director: J. Reichert, RN
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep
Length: 9 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

Triton College
2000 N. Fifth Ave.
River Grove, Illinois 60171
Program Director: J. Carlson
Prereq: H.S. **Class Cap.:** 16 **Begins:** Aug
Length: 11 mos **Tuition:** $12 Sem. Hr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Resurrection Hospital, Chicago; MacNeal Memorial Hospital, Berwyn; Gottlieb Memorial Hospital, Melrose Park; West Suburban Hospital, Oak Park

INDIANA

Evansville School of Health Occupations
1 S.E. Ninth St.
Evansville, Indiana 47708
Program Director: B. Wood, RN
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 12 mos **Tuition:** $382 Res $532 Non-Res **Awards:** Cert. **$Aid:** Scholarship
Next Survey: 1979
Affiliates: Welborn Baptist Hospital; St. Mary's Medical Center;

Indiana Vocational Technical College-NW Region
1440 East 35th Ave.
Gary, Indiana 46409
Program Director: C.K. Swanson, RN
Educational Coordinator: P.D. Droza, RN
Prereq: H.S. GED **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $910 **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1979
Affiliates: St. Anthony Medical Center, Crown Point; Porter Memorial Hospital, Valparaiso; Our Lady of Mercy Hospital, Dyer; South Suburban Hospital, Hazel Crest

Indiana Vocational Technical College
1315 E. Washington St.
Indianapolis, Indiana 46202 462
Program Director: F.C. Elmore, RN
Educational Coordinator: F.C. Elmore, RN
Prereq: H.S. **Class Cap.:** 40 **Begins:** Sep-Mar **Length:** 12 mos **Tuition:** $238 Qtr
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Methodist Hospital; Community Hospital; St. Vincent Hospital; St. Francis Hospital, Beech Grove; Weshore Hospital; Johnson County Hospital, Franklin;

Indiana Vocational Technical College
616 Wabash Ave.
Lafayette, Indiana 47905
Program Director: P.A. Wilson
Prereq: H.S. GED **Class Cap.:** 16 **Begins:** Sep **Length:** 12 mos **Tuition:** $780 Yr **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: St. Elizabeth Hospital; Lafayette Home Hospital;

Indiana Vocational Technical College
8204 Highway 31-W
Sellersburg, Indiana 47172
Medical Director: J.Draus, MD
Educational Coordinator: S. Stamper
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 12 mos **Tuition:** $230 Qtr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Clark County Memorial Hospital, Jeffersonville; Floyd County Memorial Hospital, New Albany; Jewish Hospital, St Joseph's Infirmary, Norton-Children's Hospital, Inc., all in Louisville, Kentucky;

IOWA

Scott Community College
Belmont Rd.
Bettendorf, Iowa 52722
Program Director: U.M. Kemp
Educational Coordinator: U.M. Kemp
Prereq: H.S. **Class Cap.:** 16 **Begins:** Feb-Sep **Length:** 11 mos **Tuition:** $150 Qtr
Awards: Cert. **$Aid:** Scholarship **Next Survey:** 1982
Affiliates: Mercy Hospital, St. Lukes Hospital, Davenport Osteopathic Hospital, all in Davenport;

KANSAS

Stormont-Vail Hospital
1500 W. 10th
Topeka, Kansas 66606
Medical Director: J.A. Spencer, RN
Program Director: J.A. Spencer, RN
Prereq: H.S. **Class Cap.:** 8 **Begins:** Varies
Length: 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981

Wesley Medical Center
550 N. Hillside Ave.
Wichita, Kansas 67214
Program Director: D.A. Hoyer, RN, BSN
Prereq: H.S. **Class Cap.:** 8 **Begins:** Varies
Length: 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1981

KENTUCKY

Central Baptist Hospital
1740 S. Limestone St.
Lexington, Kentucky 40503
Program Director: V.I. Stringer, RN
Educational Coordinator: P. Kinder, RN
Prereq: H.S. **Class Cap.:** 6 **Begins:** Sep
Length: 9 mos **Tuition:** $100 Yr **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1981
Affiliates: Central Baptist Hospital, Lexington;

LOUISIANA

Charity Hospital of Louisiana at New Orleans
1532 Tulane Ave.
New Orleans, Louisiana 70140
Program Director: Sr. B. McDonnell, RN, MS
Educational Coordinator: Sr. M.L. Hoeller, RN, MN
Prereq: H.S. **Class Cap.:** 50 **Begins:** Mar-Jul Nov **Length:** 12 mos **Tuition:** $30 Yr
Awards: Cert. **$Aid:** Stipend **Next Survey:** 1979

MASSACHUSETTS

Quincy Vocational Technical School
107 Woodward Avenue
Quincy, Massachusetts 02169
Educational Coordinator: J.M. DiBona, RN
Educational Coordinator: M.J. Dualsky, RN
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep
Length: 10 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Qunicy City Hosp; Cardinal Cushing General Hosp., Brockton; Carney Hosp., Dorchester; South Shore Hosp., Weymouth

MINNESOTA

Anoka-Hennepin Area Vocational-Technical Institute
Box 191
Anoka, Minnesota 55303
Educational Coordinator: P.A. Stulich,RN
Prereq: H.S. **Class Cap.:** 36 **Begins:** Aug
Length: 10 mos **Tuition:** $2/day **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1980

Rochester Area Vocational Technical Institute
1926 SE Second St.
Rochester, Minnesota 55901
Program Director: K.A. Biel
Prereq: H.S. **Class Cap.:** 24 **Begins:** Aug
Length: 10 mos **Tuition:** $376 Res $940 Non/Res **Awards:** Diplom **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: St. Mary's Hospital-Olmsted Community Hospital-State Hospital, Rochester; St Olaf Hospital, Austin; St. Joseph's Hospital, Mankato; St. John's Hospital, Red Wing;

MISSOURI

Kansas City Technical Institute
1215 Truman Rd.
Kansas City, Missouri 64106
Program Director: E. J. Meyer, RN, BA, Voc Ed
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep-Feb **Length:** 9 mos **Tuition:** $450 Yr/Res $500 Non/Res **Awards:** Cert. **Next Survey:** 1982
Affiliates: Bethany Medical Center; Menorah Medical Center; Research Medical Center; Trinity Lutheran Hospital; Saint Lukes Hospital

NEBRASKA

Southeast Community College
1801 S. 40
Lincoln, Nebraska 68506
Program Director: J.E. Falck
Educational Coordinator: P.C. Kendle
Prereq: H.S. **Class Cap.:** 15 **Begins:** Apr-Oct **Length:** 4 Qtrs **Tuition:** $118 Qtr
Awards: Diplom **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Bryan Memorial Hospital; Lincoln General Hospital; Veterans Hospital; St. Elizabeth Community Health Center;

NEW JERSEY

Institute for Advancement of Medical Sciences
Chapel Ave. & Coopers Landing
Cherry Hill, New Jersey 08002
Program Director: D. Silverman, DO
Educational Coordinator: P. Stensland
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 12 mos **Tuition:** $1000 Yr **Awards:** Cert. Diplom **$Aid:** Stipend & Scholarship
Next Survey: 1981
Affiliates: Parkview Hospital, Philadelphia;

NEW YORK

Nassau Community College
Stewart Ave.
Garden City, New York 11530
Program Director: M. McSweeney
Prereq: H.S. **Class Cap.:** 32 **Begins:** Sep
Length: 24 mos **Tuition:** $365 Sem **Awards:** A.A.S. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Nassau County Med. Ctr., East Meadow; Long Island Jewish Med. Ctr., New Hyde Park; South Nassau Communities Hosp., Oceanside

Columbia Presbyterian Medical Center
622 W. 168th St.
New York, New York 10032
Program Director: G. Gehm
Educational Coordinator: L. Botto
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 9 mos **Tuition:** $500 Yr **Awards:** Cert. **Next Survey:** 1979

NORTH CAROLINA

Fayetteville Technical Institute
P.O. Box 35236
Fayetteville, North Carolina 23803
Program Director: E.O. Page, RN
Prereq: H.S. **Class Cap.:** 12 **Begins:** Sep
Length: 9 mos **Tuition:** $103 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Cape Fear Valley Hospital

Coastal Carolina Community College
444 Western Blvd.
Jacksonville, North Carolina 28540
Program Director: F. Aycock
Prereq: H.S. **Class Cap.:** 16 **Begins:** Sep
Length: 9 mos **Tuition:** $44 QtrRes $203 Non-Res **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1980
Affiliates: Naval Regional Medical Center, Camp Lejeune; Onslow Memorial Hospital

Lenoir Community College
Box 188
Kinston, North Carolina 28501
Program Director: S.H. Taylor, RN
Prereq: H.S. **Class Cap.:** 22 **Begins:** Sep **Length:** 9 mos **Tuition:** $40 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Lenoir Memorial Hospital, Inc.; Craven County Hospital, New Bern; Kinston Bone & Joint Clinic PA; Kinston Orthopedic Associates PA; Kinston Head & Neck Physicians & Surfeons In. PA

OREGON

Mt. Hood Community College
26000 S.E. Stark St.
Gresham, Oregon 97030
Medical Director: P. Vorderstrasse
Program Director: J. Roehm
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 18 mos **Tuition:** $375 **Awards:** A.S. **$Aid:** Scholarship **Next Survey:** 1981
Affiliates: Vancouver Memorial Hospital, Vancouver, Washington; Pyhsician's & Surgeon's Hospital, Portland; Emanuel Hospital, Portland; St. Vincents Hospital, Portland;

PENNSYLVANIA

Conemaugh Valley Memorial Hospital
1086 Franklin St.
Johnstown, Pennsylvania 15905
Program Director: R.J. Marks
Educational Coordinator: P. Paulikowski
Prereq: H.S. **Class Cap.:** 25 **Begins:** Aug **Length:** 12 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1980

Robert Packer Hospital
Guthrie Square
Sayre, Pennsylvania 18840
Program Director: H.R. Saunders
Educational Coordinator: K. Krakoski
Prereq: H.S. **Class Cap.:** 10 **Begins:** Sep **Length:** 11 mos **Tuition:** $750 Yr **Awards:** Cert. **Next Survey:** 1980

SOUTH CAROLINA

McDuffie Vocational High School
1225 S. McDuffie St.
Anderson, South Carolina 29621
Program Director: M.B. Cooley, RN
Program Director: M. Thomas, RN
Prereq: H.S. **Class Cap.:** 12 **Begins:** Aug-Feb **Length:** 9 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1979
Affiliates: Anderson Memorial Hospital

South Carolina Baptist Hospital
Taylor at Marion
Columbia, South Carolina 29220
Program Director: A. Moye
Educational Coordinator: C. Rivera
Prereq: H.S. **Class Cap.:** 10 **Begins:** Aug **Length:** 12 mos **Tuition:** $500 **Awards:** Cert. **Next Survey:** 1981

Greenville Technical College
Box 5616 - Station B
Greenville, South Carolina 29606
Educational Coordinator: C. Crum, RN
Prereq: H.S. **Class Cap.:** 18 **Begins:** Sep **Length:** 12 mos **Tuition:** $75 Qtr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Greenville General Hospital System; St. Francis Community Hospital; Easley Baptist Hospital;

Spartanburg Technical College
Drawer 4386
Spartanburg, South Carolina 29303
Program Director: K.B. Atkins
Educational Coordinator: E.W. Rogers
Prereq: H.S. **Class Cap.:** 15 **Begins:** Sep **Length:** 12 mos **Tuition:** $90 Qtr **Awards:** Diplom **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Spartanburg General Hospital; Doctor's Memorial Hospital; Mary Black Memorial Hospital; St. Lukes Hospital, Columbus Wallace Thompson Hospital, Union;

TENNESSEE

Sea Isle Vocational Technical Center
2597 Avery
Memphis, Tennessee 38112
Medical Director: W.E. Wild
Program Director: .J. Kelley W.E. Wild
Prereq: H.S. **Class Cap.:** 16 **Begins:** Jan-Jul Sep **Length:** 12 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1981
Affiliates: Baptist Memorial Hospital; Methodist Hospital-Central; St. Joseph Hospital-East;

TEXAS

Del Mar College
Baldwin & Ayers
Corpus Christi, Texas 78404
Program Director: E.F. Mendietta, RN
Educational Coordinator: J. Clark, RN
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $106 Sem Res$166 Non-Res **Awards:** Cert. **$Aid:** Stipend & Scholarship **Next Survey:** 1980
Affiliates: Doctors Hospital; Driscoll Foundation Children's Hospital; Memorial Medical Center; P & S General Hospital; Spohn Hospital

Dallas County Hospital District
5201 Harry Hines Blvd.
Dallas, Texas 75235
Program Director: B. Ward, RN
Educational Coordinator: A. Swain
Prereq: LVN **Class Cap.:** 6 **Begins:** Jan **Length:** 9 mos **Tuition:** None **Awards:** Cert.

Ben Taub Hospital
1502 Taub Loop
Houston, Texas 77030
Program Director: Z. Green, RN
Educational Coordinator: S. Kennedy, RN
Prereq: H.S. **Class Cap.:** 25 **Begins:** Jan-Jul **Length:** 12 mos **Tuition:** None **Awards:** Cert. **$Aid:** Stipend **Next Survey:** 1979
Affiliates: Jefferson Davis Hospital; Baylor College of Medicine; Ben Taub General Hospital;

Houston Community College
22 Waugh Drive
Houston, Texas 77007
Program Director: P. Castillo, RN
Prereq: H.S. **Class Cap.:** 25 **Begins:** Sep **Length:** 12 mos **Tuition:** $365 Yr **Awards:** Cert. **Next Survey:** 1979
Affiliates: Methodist Hospital; St. Lukes Hospital; Medical Center del Oro Hospital; Park Plaza Hospital; Twelve Oaks Hospital; Southwest Memorial Hospital; Citizens General Hospital; Spring Branch Memorial Hospital

Tarrant County Junior College
828 Harwood Rd.
Hurst, Texas 76053
Program Director: P. Hill
Prereq: H.S. **Class Cap.:** 20 **Begins:** Sep **Length:** 12 mos **Tuition:** $85 Sem **Awards:** Cert. **Next Survey:** 1979
Affiliates: All Saints Episcopal Hosp., Cook Children Hosp., Harris Hosp., J.P. Smith Hosp., St. Joseph Hosp., all in Ft. Worth

San Jacinto College
8060 Spencer Hwy.
Pasadena, Texas 77571
Program Director: D. Bowman, RN
Prereq: H.S. GED **Class Cap.:** 14 **Begins:** Sep **Length:** 9 mos **Tuition:** $200 Yr **Awards:** Cert. **Next Survey:** 1980
Affiliates: Pasadena Bayshore; Southmore Medical Center;

USAF School of Health Care Sciences
Sheppard Air Force Base
Wichita Falls, Texas 76311
Program Director: M.M. Lofstrom, Col.
Educational Coordinator: E.C. (Rovnyak)Edwards, LTC
Prereq: H.S. **Class Cap.:** 16 **Begins:** Tri-Wkly **Length:** 8-20 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980
Affiliates: USAF Regional Hospital, Sheppard AFB

VIRGINIA

Newport News Public School/Riverside Hospital
500 J. Clyde Morris
Newport News, Virginia 23601
Program Director: L.C. Eastwood
Educational Coordinator: E.C. Wirt, RN
Prereq: H.S. **Class Cap.:** 12 **Begins:** Feb **Length:** 12 mos **Tuition:** $500 Yr Res $600 Non-Res **Awards:** Cert. **Next Survey:** 1979

Naval Regional Medical Center
Portsmouth, Virginia 23708
Program Director: Capt. G.H. Cross, MC, USN
Educational Coordinator: LCDR V. Sage, NC, USN
Prereq: H.S. **Class Cap.:** 15 **Begins:** Bi-Monthly **Length:** 6 mos **Tuition:** None **Awards:** Cert. **Next Survey:** 1980

WISCONSIN

Western Wisconsin Technical Institute
Sixth & Vine Sts.
La Crosse, Wisconsin 54601
Program Director: P. Jacobson
Prereq: H.S. **Class Cap.:** 24 **Begins:** Sep **Length:** 9 mos **Tuition:** $332 **Awards:** Vocat.Diplom **$Aid:** Scholarship **Next Survey:** 1980
Affiliates: Lutheran Hospital; St. Francis Hospital; Community Memorial Hospital,Winona, Minn;

Waukesha County Technical Institute
800 Main Street
Pewaukee, Wisconsin 53072
Program Director: K.E. Lawlor
Prereq: H.S. **Class Cap.:** 28 **Begins:** Aug **Length:** 9 mos **Tuition:** $364 Yr **Awards:** Cert. **$Aid:** Scholarship **Next Survey:** 1979
Affiliates: Waukesha Memorial Hospital, Waukesha; Elmbrook Memorial Hospital, Brookfield; Community Memorial Hospital of Menomonee Falls

APPENDIX A: *ESSENTIALS* AND GUIDELINES

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Essentials of an Accredited Educational Program for the Assistant to the Primary Care Physician

Initially adopted 1971; revised and adopted 1978 by the
AMERICAN ACADEMY OF FAMILY PHYSICIANS
AMERICAN ACADEMY OF PEDIATRICS
AMERICAN ACADEMY OF PHYSICIAN ASSISTANTS
AMERICAN COLLEGE OF PHYSICIANS
AMERICAN COLLEGE OF SURGEONS
AMERICAN MEDICAL ASSOCIATION
AMERICAN SOCIETY OF INTERNAL MEDICINE
ASSOCIATION OF PHYSICIAN ASSISTANT PROGRAMS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR PHYSICIANS ASSISTANT'S

PREAMBLE

OBJECTIVE

The education and health professions cooperate to establish and maintain minimum standards of appropriate quality for educational programs for the assistant to the primary care physician and to provide recognition for those programs which meet or exceed the standards outlined in these *Essentials*.

These *Essentials* are to be employed as minimal standards for the development and self-evaluation of programs educating the assistant to the primary care physician. Lists of accredited programs are published for the information of potential students, employers, and the public. Students enrolled in programs are taught to work with and under the direction of licensed registered physicians in providing health care services to patients.

DESCRIPTION OF THE OCCUPATION

The assistant to the primary care physician* is a skilled person, qualified by academic and clinical training, to provide patient services with and under the supervision of a doctor of medicine or osteopathy who is responsible for the performance of that assistant. The physician's assistant is also responsible for his/her own actions. The assistant may be involved with the patients of the physician in any medical setting in which the physician participates.

The functions of the assistant to the primary care physician include performing diagnostic, therapeutic and preventive activities and services to allow more effective use of the physician's knowledge, skills and abilities. While the physician remains responsible for the decisions relating to individual patient management, the assistant to the primary care physician is involved in the processes necessary to reach decisions and in the implementation of the therapeutic plan.

Intelligence, the ability to relate with people, capacity for calm and reasoned judgement in meeting emergencies, and a demonstration of commitment to the patient are qualities essential for the assistant to the primary care physician. An attitude of respect for the patient and confidentiality of the patient's record is necessary.

Since the function of the primary care physician is interdisciplinary in nature such as family medicine, internal medicine, surgery, pediatrics, psychiatry, obstetrics/gynecology, and others, the assistant to the primary care physician should be educated to assist the physician in providing those varied medical services.

The ultimate role of the assistant to the primary care physician cannot be rigidly defined because of the variations in practice requirements due to geographic, political, economic, and sociologic factors. The high degree of responsibility an assistant to the primary care physician assumes requires that at the conclusion of the formal education process, the assistant possess the knowledge, skills and abilities necessary to providing those services appropriate for a primary care setting. These services should include, but need not be limited to the following:

1. Initially approaching a patient of any age group in any setting to elicit a detailed and accurate history, perform an appropriate physical examination, identify problems, and record and present pertinent data;
2. Performing and/or interpreting routine diagnostic studies including common laboratory procedures, common radiologic studies, electrocardiographic tracings, obtaining pap smears, and others;
3. Performing therapeutic procedures including but not limited to injections, immunizations, suturing and wound care, incision and drainage of superficial infections, cast application, and followup of simple fractures;
4. Instructing and counseling patients regarding physical and mental health including information relating to diet, disease prevention and therapy, normal growth and development, family planning, situational adjustment reactions, and others;
5. Assisting the physician in in-patient settings by conducting patient rounds, recording patient progress notes, determining and implementing therapeutic plans jointly with the supervising physician, and compiling and recording pertinent narrative case summaries;
6. Assisting in the delivery of services to patients requiring continuing care (home, nursing home, extended care facilities, etc.) including reviewing and monitoring treatment and therapy plans;

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*The generic term "assistant to the primary care physician" is used to encompass such titles as the physician's assistant, physician associate, medex, and child health associate.

7. Independently performing evaluation and therapeutic procedures when responding to life threatening situations; and
8. Facilitating the referral of patients and maintaining awareness of the community's health facilities, agencies, and resources.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Medical schools;

B. Colleges and universities in affiliation with an accredited teaching hospital, which together are capable of providing the clinically oriented basic science education and the necessary clinical teaching and experience;

C. Medical education facilities of the federal government and of other institutions with the ability to provide necessary clinically oriented basic science teaching and which have an active and defined affiliation with institutions actively engaged in providing the appropriate clinical teaching and experience.

All institutions must be accredited and have sufficient teaching faculty to insure adequate pre-clinical preparation for the assistant to the primary care physician.

II. CLINICAL AFFILIATIONS

A. The clinical phase of the educational program must be under competent medical direction. It should be conducted in part in a setting where primary care services are provided on a regular on-going basis.

B. In programs where the academic instruction and clinical teaching are not provided by the same institution, accreditation shall be given to the institution responsible for the academic preparation (student selection, curriculum, academic credit, etc.), and the educational administrators shall be responsible for assuring that the activities assigned to the students in the clinical setting are educational.

C. In the clinical teaching environment an effective ratio of students to physician instructors who are experienced in practice shall be maintained.

III. FACILITIES

A. Adequate classrooms, laboratories, and administrative offices should be provided.

B. Appropriate modern equipment and supplies for practical experiences should be available in sufficient quantities.

C. A library should be readily accessible and should contain an adequate supply of current medical and other scientific books, periodicals and other reference material related to the curriculum.

IV. FINANCES

A. Financial resources for continued operation of the educational program should be assured for each class of students enrolled.

B. The institution shall charge student fees commensurate with the setting. Cost to the student shall be accurately stated and published. Also, policies and procedures for refunds of tuitions and fees shall be fair, published and made known to all applicants.

C. Announcements and advertising must accurately reflect the program offered and be appropriate to an educational institution.

D. Students shall use their scheduled time for educational experience. The program shall not substitute students for paid personnel to conduct the operation of a clinical facility.

V. FACULTY

A. **Program Director**

1. The program director should meet all requirements specified by the institution responsible for providing the didactic portion of the educational program and maintaining the operation of the overall program.
2. The program director should be responsible for the organization, administration, periodic review, continued development, and general effectiveness of the program.

B. **Medical Director**

1. The medical director should provide continuous competent medical direction for the clinical instruction and for clinical relationships with other educational programs. The medical director should actively elicit the understanding and support of practicing physicians.
2. The medical director should be a physician experienced in the delivery of the type of health care services for which the student is being trained.
3. The medical director may also be the program director.
4. If there is a change in the program or medical director, prompt notification should be sent to the Department of Allied Health Evaluation of the AMA. The curriculum vitae of the new director, including details pertinent to the individual's training, education, and experience must be submitted. The Department of Allied Health Evaluation should be similarly notified about any acting director serving on an interim basis before identification of a permanent director.

C. **Administrative Staff**

The program must have an adequate administrative staff.

D. **Instructional Staff**

1. The faculty must be qualified through academic preparation and experience, to teach assigned subjects. This necessitates teaching ability as well as clinical experience. There must be adequate numbers of faculty to teach assigned subjects.
2. Faculty for the clinical portion of the educational program must include physicians and may include assistants to the primary care physician and other health professionals who are experienced in the provision of patient care services. Because of the unique characteristics of the assistant to the primary care physician, it is necessary that the preponderance of clinical teaching be conducted by physicians experienced in practice.

E. **Advisory Committee**

An advisory committee should be appointed to advise the program in continuing program development and evaluation. For maximum effectiveness, the advisory committee should include representation from the primary institutions involved, the program administration, organized medicine, community based physicians, assistants to the primary care physician, students, the public and other appropriate groups.

VI. STUDENTS

A. **Selection**

1. Selection of students should be made by a designated admissions committee of which the members include

adequate representation of those responsible for the various phases of the program. All admissions data should be on file in the institution responsible for the administration of the program.

2. Selection procedures must include an analysis of previous performance and experience and should accomodate candidates with a health related background and should give credit to the knowledge, skills, and abilities they possess. Potential to develop the interpersonal skills necessary to perform the role as defined by the "Description of the Occupation" should be considered in the selection process.

B. **Health**
Students should be required to submit evidence of good health essential to participating in the program, so that they will not endanger other students or the public, including patients.

C. **Number**
The number of students enrolled in each class should be commensurate with effective learning and teaching opportunities, should be consistent with acceptable student-teacher ratios, and should be compatible with demonstrated instructional needs.

D. **Counseling**
An active student guidance and placement service should be available.

E. **Related Policy**
Criteria for completion of each segment of the curriculum and for graduation shall be given in advance to each student, as well as the policies and procedures for dismissal and withdrawal.

F. **Student Identification**
Students enrolled in the educational program must clearly be identified to distinguish them from physicians, medical students, and other health occupations students and graduates.

VII. RECORDS

Satisfactory records should be maintained for all assignments undertaken by the student while enrolled in the program. The academic institution should be responsible for all records.

A. **Student Records**
Credentials used for admission, reports of medical examination upon admission and records of any subsequent illness during training, records of class and laboratory participation, and academic and clinical achievements of each student should be maintained in accordance with the requirements of the institution.

B. **Curriculum**
  1. A synopsis of the current curriculum should be kept on file.
  2. The synopsis should include the rotation of assignments, the outline of the instructions supplied, and lists of multimedia instructional aids used to augment the experience of the student.
  3. Written objectives of each course should be maintained and available to the students and instructors.

C. **Activity**
  1. A satisfactory record system shall be provided for all student performance.
  2. Practical and written examinations should be continually evaluated.
  3. The records should be reviewed periodically with the student.
  4. The program should document an effective self-evaluation process.

VIII. CURRICULUM

A. The length of educational programs for the assistant to the primary care physician may vary. The length of time individuals spend in training may also vary on the basis of the student's background based on previously acquired education, experience, knowledge, skills and ability, and ability to perform the processes, tasks, functions and duties implied in the "Description of the Occupation."

B. Instruction, tailored to meet the student's needs, should follow a planned outline and should include
  1. Assignment of appropriate instructional materials
  2. Classroom and laboratory presentations, discussion and demonstrations
  3. Supervised practice discussion
  4. Examinations, tests, quizzes—practical, written and oral—for the preclinical and clinical portions of the educational program.

C. General courses and topics of study, both preclinical and clinical should include the following:
  1. General courses and topics of study must be directed toward providing the graduates with necessary knowledge, skills, and abilities to accurately and reliably perform tasks, functions, processes, and duties implied in the "Description of the Occupation."
  2. Instruction should be sufficiently comprehensive to provide the student with understanding of physical and mental problems experienced both by the ambulatory and institutionalized patient. Attention should be given to preventive medicine and principles of public health as well as to social and economic aspects of health care. Instruction should stress the role of the assistant to the primary care physician as it relates to health maintenance and comprehensive health and medical care. Throughout, the student should be encouraged to develop basic intellectual, ethical and moral attitudes and principles essential for gaining and maintaining the trust of professional associates, the support of the community, and the confidence of the patient.
  3. An ambulatory care teaching facility such as the family practice centers used by family practice residency programs should be incorporated where feasible so medical students, house staff, and student assistants to the primary care physician can jointly share educational experiences in an atmosphere that reflects and encourages the actual practice of primary medical care.

IX. PUBLICATION

An official publication including a description of the program should be available. It should include information regarding the organization of the program, a brief description of the required courses, the names and academic ranks of principal faculty members, entrance requirements, tuition fees and other anticipated costs, and information pertaining to the hospitals and other facilities used in the course of training. It must reflect accurately the program offered and career expectations.

ADMINISTRATION OF ACCREDITATION

ACCREDITATION

1. The application requesting program accreditation must be initiated with the express consent of the chief administrator or officially designated representative of the institution.
2. The program may withdraw its request for initial accredi-

tation at any time prior to final action. The Committee on Allied Health Education and Accreditation (CAHEA) and the collaborating organizations may withdraw accreditation whenever:

a. The educational program is not maintained in accordance with the standards outlined above;

b. No students are enrolled in the program for two consecutive years.

Accreditation is withdrawn only after advance notice has been given to the director of the program that such action is contemplated, including a statement of reasons therefore, and after sufficient time to permit response through the established procedure for appeal and review.

3. Evaluation

   a. The director of the program and the chief administrators of the institution being evaluated are given an opportunity to review and respond to the report prepared by the visiting survey team before final action is taken.

   b. At the request of the chief administrator of the institution, a reevaluation may be made. Adverse decisions may be appealed in writing to the Committee on Allied Health Education and Accreditation.

4. Self Evaluation

   The program must demonstrate evidence of ongoing self evaluation. Mechanisms for making changes based on the process should be defined.

5. Reports

   An Annual Report must be submitted to the Committee on Allied Health Education and Accreditation and the collaborating organizations on the form supplied to the program by the AMA Department of Allied Health Evaluation.

6. Reevaluation

   The collaborating organizations will periodically reevaluate and provide consultation to educational programs.

APPLICATIONS AND INQUIRIES

Applications for program accreditation should be directed to:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

Essentials and Guidelines of an Accredited Educational Program for the Cytotechnologist

Essentials initially adopted 1962; revised 1967, 1977
Adopted by the
AMERICAN MEDICAL ASSOCIATION
AMERICAN SOCIETY OF CYTOLOGY

Guidelines approved 1977

Program Review Committee
CYTOTECHNOLOGY PROGRAMS REVIEW COMMITTEE

> *Essentials,* which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
> Guidelines, explanatory documents which clarify the *Essentials,* are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials.*

PREAMBLE

Two professional organizations are concerned with the education of cytotechnologists: the American Medical Association and the American Society of Cytology. The Cytotechnology Programs Review Committee of the American Society of Cytology, acting in an advisory capacity to the Committee on Allied Health Education and Accreditation (CAHEA), reviews programs applying for CAHEA accreditation and makes recommendations for accreditation or non-accreditation to CAHEA. CAHEA, in turn, acts on these recommendations and either accredits or does not accredit the program. The American Society of Cytology and the AMA Council on Medical Education have adopted the following *Essentials* for this type of education for the information of programs, physicians, hospitals, prospective students, and others, and for the protection of the public.

Cytotechnologists are being educated in these programs to work under the direction of qualified physicians, not as independent practitioners.

Applications for development and accreditation of a new program in cytotechnology are made by writing to the Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610.

The letter should state the intention to develop a new program in cytotechnology. A preliminary form will be sent to be filled out and returned to the same address (AMA). A copy of the form and a copy of the letter of intent should be sent to the American Society of Cytology. Program Coordinator, Health Sciences Center, 130 South 9th Street, Suite 1006, Philadelphia, Pennsylvania 19107.

Upon receipt in the office of the letter, the Essentials *and Guidelines for a program in cytotechnology along with a manual for preparation of a self-study of the program will be sent to the program director. For new programs the self-study should be completed as nearly as possible as plans for the program evolve and then forwarded to the American Society of Cytology office in Philadelphia for review by members of the Cytotechnology Programs Review Committee. Following this review, if in the judgment of the members of the committee the self-study indicates that the program will substantially comply with the Essentials, the program director is notified and the first class of students may be admitted. During the instruction of this first class of students an on-site survey of the program will be made. Following the on-site survey, the surveyor's report, along with the self-study and any additional documents pertaining to the development of the program will be considered by the full Cytotechnology Programs Review Committee. A recommendation concerning accreditation will then be made to the Committee on Allied Health Education and Accreditation. Types of accreditation recommended by the committee are as follows:*

a. Accreditation
b. Provisional accreditation
c. Accreditation with qualifications.
d. Probationary accreditation.
e. Accreditation withheld.
f. Accreditation withdrawn.

For definition of the above terms, see the Accreditation Process section of the Directory. *Graduates of programs with the accreditation recommendations a through d are considered graduates of CAHEA accredited programs. Even though accreditation is withheld from a new program, the first class of graduates of that program is considered eligible to take the National Registry Examination of the American Society of Clinical Pathologists in cytotechnology. However, a second class taken into such a program where accreditation has been withheld will not be eligible for this same examination.*

In development of a new program in cytotechnology the director and the faculty may wish to obtain help and expertise. The members of the Cytotechnology Programs Review Committee may be contacted for answers concerning program development and accreditation. The director and the faculty may also obtain consultation from the members of the following committees of the American Society of Cytology: the Ad Hoc Committee on Laboratory Accreditation, Ad Hoc Com-

mittee for Educational Development, Cytotechnology Advisory Committee, and Ad Hoc Committee on Cytotechnology Certification. The members and the chairman of these committees are listed in programs of the annual meeting of the American Society of Cytology or may be obtained by writing to the central office of ASC in Philadelphia.

The Essentials *that follow were developed by a committee of members of the American Society of Cytology and American Society of Clinical Pathologists in collaboration with the Council on Medical Education of the American Medical Association. They reflect the input of both cytopathologists and cytotechnologists and the increasingly important role the cytotechnologist plays in the many facets of cytology.*

REQUIREMENTS FOR ACCREDITATION

I. ADMINISTRATION

1. Accredited programs for training in exfoliative cytology may be conducted by approved medical schools, educational institutions, hospitals, or other laboratories suitably organized in accordance with acceptable educational standards.

   Approved medical schools are those accredited by the Liaison Committee on Medical Education of the American Medical Association and those hospitals which have accreditation by the Joint Commission on Accreditation of Hospitals. Private laboratories may conduct programs if they are both licensed and accredited under acceptable and recognized licensing and accrediting agencies, such as the CDC and College of American Pathologists or the ASC Laboratory inspection program. Any facility conducting the program has to have adequate space and personnel for both service and educational functions.

2. All education of cytotechnologists shall be under competent medical supervision.

   "Competent medical supervision" means pathologists certified in pathology by the American Board of Pathology with special interest and knowledge in cytopathology.

3. The resources for continued operation of a program shall be insured through regular budgets, gifts, or endowments, but not entirely through student's fees. Programs shall adhere to proper and suitable professional and educational standards recognized by the American Medical Association and the American Society of Cytology.

   There should be sufficient money, exclusive of student fees, to operate the program. While tuition may be charged it must not be excessive and there must not be a pay back period implying or suggesting indentured servitude of the students. The program should make efforts to obtain scholarships for needy students, either from the institution itself or outside sources.

II. FACULTY AND PERSONNEL

4. The medical director shall be a pathologist certified by the American Board of Pathology in anatomic pathology or the equivalent, or be eligible for certification by this board and recognized as having a special interest and competence in cytology with special training and experience in exfoliative cytology. The director shall be actively engaged in cytology. The director, or an associate with equivalent acceptable qualifications, shall be in attendance for sufficient periods throughout the educational program to take an active part in, and properly supervise, the laboratory practice and teaching.

There should be documented evidence that the director and/or associate director are involved in the administration and teaching of the cytotechnology program. They should be actively practicing cytopathology and promoting this diagnostic method among their clinical colleagues. Publications in the field are not a necessity but documented interest is. The appendix contains a glossary of terms defining faculty and administrators commonly listed in allied health education programs.

5. The teaching staff shall include qualified instructors adequate to meet both service and teaching responsibilities. It shall include a full-time teaching supervisor, CT (ASCP) or equivalent, or with educational background acceptable to the Committee on Allied Health Education and Accreditation and with three (3) year's experience in cytotechnology and one year's experience in education. The teaching supervisor shall have completed courses or continuing education program(s) to increase teaching effectiveness. The instructors and director shall demonstrate participation in continuing education programs appropriate to cytopathology and cytotechnology.

It should be evident that there has to be adequate numbers of certified cytotechnologists for both teaching and service load. It cannot be expected that a teaching supervisor can screen routine material and still have time for teaching the students. The experience in education does not necessarily have to be in the formal sense. Actual teaching experience and/or the taking of educational courses would suffice. There should be documented evidence of participation by both the teaching supervisor and the program director as well as other faculty members in continuing education programs, both those related to cytopathology and educational programs.

6. Enrollment in a program shall not exceed two (2) students to each full-time certified cytotechnologist, CT (ASCP) or equivalent, acceptable to the Committee on Allied Health Education and Accreditation and to the Cytotechnology Programs Review Committee of the American Society of Cytology.
   - *a. Acceptable equivalent certification would be CT (IAC) or certification by the Bureau of Quality Assurance Examination of HEW.*
   - *b. There must be adequate numbers of certified cytotechnologists for both the teaching and service functions of the laboratory.*

7. Programs requesting initial accreditation shall have a minimum of four (4) students and shall begin on one annual admission date. Programs accredited under the 1967 *Essentials* will be required to meet this Essential by December of 1977.

The four student minimum will be made retroactive to programs accredited before December 1976. The use of affiliated laboratories is not precluded by the four student minimum and one admission date as long as those laboratories are listed as part of the total training program and the director of the program retains the control and responsibility for the training in the affiliated laboratories. The annual admission date may also be variable as long as any one class has a minimum of four students and that class is retained within the jurisdiction of the training program for the entire year's course.

III. ORGANIZATION

8. Adequate space, light, and modern equipment shall be provided within the department for the teaching of cytotechnology. A library containing texts and up-to-date reference material pertaining to cytology and cytotechnology shall be maintained, or be readily accessible to the student.
   - *a. Students should have their own desk and microscope within the laboratory and adequate bench space to screen and study cytologic material.*
   - *b. The library with the basic cytotechnology texts and*

up-to-date reference material should be close at hand within the cytology laboratory. The committee considers a reading program in cytology extremely important to the education of the students.

9. Accredited educational programs in exfoliative cytology shall be associated with an acceptable institution which:
   a. Maintains a current cytology test volume of at least 15,000 cases per year, considered to be the minimum number necessary to furnish adequate material for training and test screening experiences for the students. The distribution of specimen material shall include a minimum of 1,000 cases from non-gynecological material to include respiratory and gastrointestinal systems and body cavity fluids.
   b. Maintains an adequate system of filing, recording, and indexing of results in the associated laboratory for proper cytologic correlation and evaluation. There shall be close liaison with clinical services or with physicians supplying cytologic material to permit correlation of diagnosis with patient follow-up by the physicians.
   c. Shall be accredited by a recognized inspection program participating in an approved quality control program.
      a. The Cytotechnology Programs Review Committee considers 15,000 cases per year with the minimum number of 1,000 non-gynecologic specimens as necessary to insure adequate material fo test screening and experience for the students. This volume of material should insure adequate numbers of abnormal cases, particularly in the non-gynecologic area, and promotion of the cytologic method by the laboratory. This is evidence of interest and expertise in cytopathology. If affiliated laboratories are used, their volume of material is counted for both gynecologic and non-gynecologic specimens. There should be an adequate percentage of non-gynecologic material within both the teaching laboratory and the affiliated laboratories.
      b. The laboratory should maintain proper indexing and filing and follow-up systems to insure a high degree of quality of the cytology laboratory diagnosis. This also insures completeness of teaching case material for the cytology students. To this end the laboratory should promote, through continuing education of physicians, the use of cytology where indicated in diagnosis and patient care.
      c. Approved quality control programs are those of the College of American Pathologists, the CDC laboratory inspection programs and the Laboratory Inspection Program of the American Society of Cytology. State licensure of the cytology laboratory will be considered on an individual basis.

IV. PREREQUISITES FOR ADMISSION

10. Beginning in September 1978, the applicant shall have completed two years (60 semester hours, or 90 quarter hours) of academic education in an accredited college or university before being accepted by an accredited cytotechnology program. This preparatory work must include a minimum of 14 semester hours or 21 quarter hours of biology. These may include courses in general biology, bacteriology, parasitology, physiology, anatomy, histology, embryology, zoology and genetics. Biologic science knowledge must be current.
    a. An applicant presenting a baccalaureate degree from an accredited college or university must have completed the biology requirements before admission.
    b. Biology credits earned more than 7 years prior to application must be updated by taking 3 additional semester credits related to cell biology within a period of time not to exceed 12 months prior to admission, unless the student is able to formally document, through proficiency tests or other measures, that competency, in the judgment of the Cytotechnology Program Review Committee, in knowledge of cell biology is present.
    c. The total prerequisite college hours remain as in the present 1967 Essentials *although there has been an increase in the biology requirement and these courses must be taken exclusively in biology and biologically related sciences as listed. Also those students presenting baccalaureate degrees must have completed the biology requirements before admission. There is also an up-date requirement for biology credits that are more than seven years old.*

    Proficiency tests which may be substituted in part for the biology requirements are those of the CLEP type. These tests indicate a certain number of hours credit in a specific biologic science if they are successfully passed. Other documents submitted to determine competency in biology will be judged at the discretion of the Cytotechnology Programs Review Committee on an individual basis.

V. CURRICULUM

11. Length of course:
    Clinical education shall be for a minimum of one year (12 months) under the auspices of one institution.
    a. Clinical education in one institution does not preclude the use of affiliated laboratories as long as there are firm affiliation agreements between the institution and the affiliated laboratory. The affiliated laboratories must be listed as part of the program, including the teaching faculty in those laboratories. The institution is responsible for the quality of the educational experience in the affiliated laboratories. The affiliated laboratories will be surveyed as part of the complete cytotechnology training program. Distance from the parent institution of the affiliated laboratory should not necessarily deter the inclusion of such a laboratory in the training program.
12. A detailed curriculum shall be provided, including clearly written learning objectives for each component of the program.

A detailed curriculum should include reading assignments, date, item, place and subject for the lecture as well as the lecturer. Also included should be plans for films, clinic visits and demonstrations or any other teaching exercises the program believes necessary. Clearly written objectives should accompany the curriculum and should be provided to the student. The pathologist director must be actively involved in the curriculum and in the actual didactic and practical instruction.

13. There shall be formal instruction, such as regular textbook assignments, lectures and demonstrations.

Textbook assignments should correlate with the lectures and demonstrations and the overall plan of instruction.

14. Assigned time for practice in the microscopic screening of specimens shall be part of the planned curricu-

lum and testing procedure. A complete record of practical and written examinations shall be maintained.

15. A screening evaluation form shall be used to evaluate student performance. A monthly summary of the screening evaluation form shall be retained in the student's file and be made available to the student upon request.

There should be definite time for practice microscopic screening and slide study set review and the practice screening should be structured and documented. Records of practical and written examination should be detailed and complete and should be available to the student for review. Definite limits for passing and failing should be set and students should be told where they are in advance. The program should develop methods for evaluating student performance and this record should be reviewed with the student periodically.

VI. PROFESSIONAL STANDARDS

16. Programs must meet the professional standards listed in the CAHEA policy document, "Fair Practices in Education".

Excessive student fees shall be considered unprofessional. Programs conducted primarily for the purpose of substituting students for paid technologists will not be considered for accreditation. Substitution of students for paid technologists in programs already accredited shall be grounds for withdrawal of accreditation. Indentured pay-back arrangements will also be considered unprofessional. The objective of the program should be to provide education and training to the student in cytotechnology for a career in that field and gainful employment anywhere, without regard to the spcific needs of the laboratory or institution providing the training. Selection of students should be based on criteria which insure maximum benefit and a good chance of success in the program to the student. Student and faculty appointments shall not be denied on the basis of race, sex, creed, color or national origin, or on the basis of any other criteria lacking professional justification.

VII. HEALTH

17. Applicants for admission to an accredited program shall be required to submit evidence of good health and a report of a medical examination shall be a part of the student's records. This examination shall include a roentgen examination of the chest and, since good vision is essential in the field of cytotechnology, a comprehensive eye examination to include a test for color vision. Provisions shall be made for medical care and reasonable hospitalization.

Standard student health forms or employee health forms are deemed suitable for the health examination. The students should have access to reasonable health care which may require that they pay a fee for health insurance coverage. Programs are not expected to provide this care free.

VIII. ADMINISTRATION OF ACCREDITATION

18. Application for accreditation of a program for the education of cytotechnologists shall be made to the Committee on Allied Health Education and Accreditation, Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago, IL 60610. Forms will be supplied for this purpose on request and shall be completed by the director of the program requesting this accreditation.

Application is by letter of intent. A form to initiate the development and preparation of the self-study of the program will be sent to be filled out by the program director. A copy of this form is then forwarded to the American Society of Cytology and upon receipt of that, the guide to preparation of a self-study will be sent to the program director. A self-study for a new program and for reaccreditation should be completed within six to nine months and forwarded with a $300.00 initial application fee, in the case of new programs, to the American Society of Cytology central office in Philadelphia. Upon receipt of the self-study for new programs, members of the Cytotechnology Programs Review Committee will review the self-study in detail. It is not expected that the self-study will necessarily be complete for new programs, but there should be enough detail to make a reasonable evaluation of how the program will operate when students are admitted.

Based upon the review of the self-study, if the program as outlined substantially complies with the Essentials, *the program will be so notified and a first class of students admitted to the program. During the instruction of this first class, an on-site survey of the program will be made. The survey team will usually be composed of both a cytotechnologist and a cytopathologist knowledgeable in the training of cytotechnologists. Following the survey, the surveyor's report, the self-study and any additional documents pertaining to the conduct and development of the program will be reviewed by the entire Cytotechnology Programs Review Committee and an accreditation recommendation made to the Committee on Allied Health Education and Accreditation. Should the accreditation decision be unfavorable, the students in the program are not in jeopardy, and will be eligible to take the national registry examination of the American Society of Clinical Pathologists in cytotechnology. However, if the program is not accredited, future classes will not be eligible for the examination until the program meets the Essentials and obtains a favorable accreditation decision.*

19. Accreditation may be withdrawn whenever a program does not maintain an educational program in substantial compliance with the above minimum *Essentials*. Whenever an educational program has not been in operation for a period of *two* consecutive years, accreditation may be withdrawn. Due process shall be followed and ample notification provided to the program before the Committee on Allied Health Education and Accreditation withdraws accreditation. An appeals mechanism is available to those programs that wish to utilize it, once accreditation has been withdrawn.

When accreditation is withdrawn or an unfavorable decision is reached, there will be notification from both the AMA and the ASC. The mechanism of due process and the appeals procedure will be made available at that time to the program officials should they wish to utilize it.

20. Accredited programs shall notify the Department of Allied Health Evaluation of the AMA and the Cytotechnology Programs Review Committee of the American Society of Cytology whenever a change occurs in the directorship of a program, or a new teaching supervisor is appointed.

This Essential *should be strictly adhered to and will be enforced. Programs failing to notify the Department of Allied Health Evaluation of the AMA and the ASC of a change in director or education coordinator or the appointment of new faculty intimately involved in the program will be automatically requested to submit a new self-study and will have an on-site survey of the program.*

21. The Annual Report requested by the Committee on Allied Health Education and Accreditation must be completed, signed by the medical director and returned by the deadline established by CAHEA. Failure to do so may jeopardize the accreditation status of the program.

Completion of the Annual Report requested by the Committee on Allied Health Education and Accreditation will also be strictly enforced and the accreditation status of the programs failing to do so will be in jeopardy.

Essentials of an Accredited Educational Program for the Electroencephalographic Technician

Adopted 1973 by the
AMERICAN ELECTROENCEPHALOGRAPHIC SOCIETY
AMERICAN MEDICAL ASSOCIATION
AMERICAN MEDICAL ELECTROENCEPHALOGRAPHIC ASSOCIATION
AMERICAN SOCIETY OF ELECTROENCEPHALOGRAPHIC TECHNOLOGISTS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATION IN ELECTROENCEPHALOGRAPHIC TECHNOLOGY

PREAMBLE

OBJECTIVE

The education and health professions cooperate in this program to establish and maintain standards of appropriate quality for educational programs in the allied health professions and services, and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*.

These standards are to be used as a guide for the development and self-evaluation of educational programs for electroencephalographic technicians. Survey teams report on site visits, and lists of the accredited programs are published for the information of employers and the public. Students for the allied health occupations are taught to work with and under the direction of physicians in providing health care services to patients.

DESCRIPTION OF THE OCCUPATION

The function of the EEG technician is to secure interpretable records under competent supervision. This includes:

Preparation of patient for recording
Simplified history taking
Proper application of electrodes at predetermined locations
Checking electrode function
Skillful use of EEG equipment
Recognition and correction of common artifacts
Recognition and reporting of instrument faults to supervisor
Basic understanding of medical emergencies in the laboratory

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Junior colleges
B. Senior colleges
C. Universities
D. Hospitals
E. Medical schools
F. Vocational/technical schools and institutions

The institution should be accredited or acceptable to the Committee on Allied Health Education and Accreditation (CAHEA). Schools, colleges, and universities must have the necessary clinical affiliations.

II. CLINICAL AFFILIATIONS

A. The clinical phase of the educational program must be conducted in a clinical setting and under competent clinical direction.

B. When academic training and clinical experience are not provided in the institution, accreditation shall be given to the institution responsible for the academic training (student selection, curriculum, academic credit, etc.) and the educational administrators shall be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

C. In the clinical teaching environment, an effective ratio of students to instructors shall be maintained.

III. FACILITIES

A. **General.** Adequate classrooms, laboratories, and administrative offices should be provided.

B. **Laboratory.** Appropriate modern equipment and supplies for directed experience should be available for student participation.

C. **Library.** A library should be readily accessible and should contain an adequate supply of up-to-date scientific books, periodicals, and other reference material pertinent to the curriculum.

IV. FINANCES

A. Financial resources for continued operation of the educational program shall be assured through regular budgets.

B. The institution shall not charge excessive student fees.

C. Advertising must be appropriate to an educational institution.

D. The program shall not substitute students for paid personnel to conduct the work of the clinical facility.

V. FACULTY

A. **Program Director**

1. *Qualifications.* The program director should be a qualified EEG technologist, recognized by the American Board of Registration of Electroencephalographic Technologists, American Board of Electroencephalography, or equivalent. A baccalaureate degree would be desirable.
2. *Responsibilities.* In addition to other assignments, the director of the educational program is also responsible for the organization, administration, periodic review,

continued development, and general effectiveness of the program.

B. **Medical Director**
The medical director of the program should be a qualified electroencephalographer who will provide competent medical direction for the clinical instruction and for clinical relationships with other allied health educational programs and should develop the understanding and support of practicing physicians.

C. **Change of Director**
If the director of the educational program or the medical director is changed, immediate notification should be sent to the Department of Allied Health Evaluation. The curriculum vitae of the new director, giving the details of his training, education, and experience in the field, must be submitted, and, if the new director's credentials are in order, accreditation will be continued.

D. **Instructional Staff**
The faculty should be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

E. **Advisory Committee**
An advisory committee should be appointed to assist the directors in continuing program development and evaluation, in faculty coordination, and in coordinating effective clinical relationships.

VI. STUDENTS

A. **Admission Requirement**
High school graduation, or equivalent, with emphasis on physical and/or biological sciences, is required.

B. **Selection**
In colleges and universities, selection of students should be made in accordance with the generally accepted practice of the institution. In hospital-sponsored programs, selection of students should be made by an admissions committee in cooperation with those responsible for the educational program. Admissions data should be on file at all times in colleges, universities, or hospitals sponsoring the program.

C. **Health**
Applicant shall be required to submit evidence of good health and successful vaccination. A student health service should be available for all students. When students are learning in a clinical setting the institution should provide such students with the protection of the same physical examinations and immunizations as are provided to hospital employees working in the same clinical setting.

D. **Number**
The number of students enrolled in each class should be commensurate with the most effective learning practices and should also be consistent with applicable student-teacher ratios.

E. **Counseling**
A student guidance and placement service should be available.

VII. RECORDS

Satisfactory records should be provided for all work accomplished by the student in the training program. Monthly and annual reports of the work of the department should be prepared and available.

A. **Student**
1. Transcripts of high school and college credits
2. Report of medical examination, including chest film and record of subsequent illnesses
3. Record of class and laboratory participation
4. Attendance and grades

B. **Curriculum**
1. Copy of complete curriculum
2. Copies of course outlines, class schedules, directed experience and teaching plans
3. Copies of practical and written examinations on file and available for review

VIII. CURRICULUM

A. The minimal length of the educational program should total six months basic training, including a minimum of three months of full-time experience in a clinical laboratory under the supervision of a qualified electroencephalographic technologist or a qualified clinical electroencephalographer.

B. Instruction should follow a planned outline which includes:
1. Assignment of appropriate instructional materials
2. Classroom presentations, discussions, and demonstrations
3. Supervised practice discussions
4. Examinations, tests, and quizzes, oral and written, for didactic and clinical aspects

C. General courses or topics of study, both didactic and clinical:
1. Elements of basic science and diseases appropriate for EEG technicians
2. Instrumentation, including elements of personal and patient electrical safety
3. EEG laboratory 1: basic techniques
4. EEG laboratory 2: clinical practicum
5. Elements of clinical electroencephalography
6. Clinical EEG conferences

D. **Synopsis**
The complete curriculum, including the rotation of assignments, the outline of the instruction supplied, and lists of multi-media instructional aids, should be kept on file.

IX. ADMINISTRATION

A. **Catalog**
An official publication, including a description of the curriculum, organization of the program, names and academic rank of faculty, entrance requirements, tuition and fees, and information about the hospitals and facilities used for directed experience, should be issued at least biennially.

B. **Accreditation**
The evaluation of an institution or program can be initiated only by the express invitation of the chief administrator of the sponsoring institution or an officially designated representative.

C. **Withdrawal**
The institute may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation and collaborating organizations may withdraw accreditation whenever:
1. The educational program is not maintained in accordance with the standards outlined above; or
2. There are no students in the program for two consecutive years.

Accreditation is revoked only after advance notice has been given to the head of the institution that such action is comtemplated, and the reasons therefore, sufficient to permit timely response and the use of established procedure for appeal and review.

D. **Reevaluation**
1. *Review*. The head of the institution being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the survey team

and to comment on its accuracy before action is taken.

2. *Appeal.* At the request of the head of the institution, a resurvey may be made. Accreditation decisions may be appealed by letter to the Committee on Allied Health Education and Accreditation.

E. **Reports**

An Annual Report should be made to the Committee on Allied Health Education and Accreditation and collaborating organizations. A report form is provided and should be completed, signed by the director of the educational program, and returned promptly.

F. **Resurvey**

The AMA and collaborating organizations will periodically resurvey educational programs for consultation and reevaluation.

APPLICATION AND INQUIRIES

A. **Accreditation**

Application for accreditation of a program should be made to:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

B. **Careers**

Inquiries regarding career information should be addressed to:

American Society of EEG Technologists
2977 Loon Lake Dr
West Bloomfield, MI 48033

American Medical Electroencephalographic Association
850 Elm Grove Rd
Ste 11
Elm Grove, WI 53122

C. **Registration-Certification**

Inquiries regarding registration or certification of qualified graduates of the accredited program should be addressed to:

American Board of Electroencephalography
Secretary-Technologist Division
American Medical Electroencephalographic Association
825 Nicollet On the Mall
Minneapolis, MN 55402

Guidelines for the
Essentials of an Accredited Educational Program for the Electroencephalographic Technician

Approved 1974 by the
AMERICAN ELECTROENCEPHALOGRAPHIC SOCIETY
AMERICAN MEDICAL ASSOCIATION
AMERICAN MEDICAL ELECTROENCEPHALOGRAPHIC ASSOCIATION
AMERICAN SOCIETY OF ELECTROENCEPHALOGRAPHIC TECHNOLOGISTS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATION IN ELECTROENCEPHALOGRAPHIC TECHNOLOGY

FOREWORD

These guidelines are supplementary to the Essentials of an Accredited Educational Program for the Electroencephalographic Technician, *adopted by the AMA House of Delegates in June, 1973, and established by the American Medical Association in collaboration with:*

The American Electroencephalographic Society
The American Medical Electroencephalographic Association
The American Society of Electroencephalographic Technologists

This educational program is intended to supplement, and not to be substituted for, the educational program for electroencephalographic technologists. It may be regarded as the "bottom rung of a two-step ladder." The electroencephalographic technician works under competent and fairly direct supervision of an electroencephalographic technologist, or qualified electroencephalographer. An electrooencephalographic technician may apply for admission with advanced standing *to a program designed to prepare the electroencephalographic technologist.*

LENGTH AND LOCALE OF TRAINING

Educational programs for electroencephalographic technicians may be established in a variety of settings. It is probable that the most effective setting will be in hospitals. For adequate training, a board volume and variety of clinical problems at all ages should be available for teaching purposes and the program should be administered and directed by a qualified EEG technologist and electroencephalographer.

It is possible that a program of this type could be established in a vocational school or junior college, in which case it would require a minimum of two quarters, each of three months duration, with didactic teaching presented in the school or college, and with adequate clinical laboratory facilities available in cooperating hospitals.

COURSE OF STUDY

Description of Courses: Figures in parentheses indicate contact hours recommended as the minimal number which has been found to be adequate in teaching of the material outlined.

1. ***Elements of Basic Science and Clinical Diseases Commonly Encountered in the EEG Laboratory*** *(40 hours). The content of this course should include: basic measurement; elements of anatomy and physiology in terms of support systems for normal brain functions (e.g., heart, lungs, blood, endocrine, and enzyme systems); physiology and gross anatomy of the central nervous system with emphasis on the brain; classical vascular and neoplastic diseases; infectious brain diseases; elements of history taking for EEG; first-aid in the EEG laboratory (e.g., cardiac and respiratory arrest; injuries associated with and management of seizures). This course should be taught by qualified personnel.*

2. ***Instrumentation:*** *(20 hours). Basic elements of electricity and electronics should be taught, with demonstrations on principles of current, voltage and resistance. The concept of "voltage difference" and its meaning in electrical safety to patient and technican should be introduced early in the course, with inanimate models. The electrical characteristics of electrode materials, and the significance of electrode impedance in relation to amplifier input impedance and over-all amplification should be demonstrated. The empirical characteristics of amplifiers, in terms of band-pass filter functions and sensitivity controls, should be demonstrated. Calibration of equipment should be stressed. Basic instrumental artifacts should be demonstrated.*

This course may be taught by a qualified EEG technologist with appropriate background experience, an electronic engineer well acquainted with EEG equipment, or by a team utilizing both sources.

3. ***EEG Laboratory I: Basic Techniques*** *(20 hours). This should be taught from the beginning of the program. A brief synopsis of the history of EEG, with some fundamental examples of normal EEGs (by age, awake and asleep) and classical abnormalities, should introduce this course. The basic content introduces the student to electrode application, selection of electrode locations, and the composition of electrode montages. It is essential that the "10-20 system" and other major systems of electrode placement be learned and that appropriate*

modifications be used as required. It is essential that all commonly used input systems for montages should be understood by the student, and other major systems of electrode measurement and application be learned. Practical demonstrations should be assigned to the student, relative to choices of low frequency filters, high frequency filters and sensitivity. This course should be taught by a qualified EEG technologist.

4. ***EEG Laboratory II; Clinical Experience*** *(500-600 hours). This course should immediately follow Laboratory I. The motivation of the student will be a function of involvement with EEG equipment and patients.* However, facility in electrode application and instrument handling should be developed before the student works with clinical material.

The major emphasis is on clinical technique. There should be a one-to-one teacher-student ratio at the outset, with qualified EEG technologists as instructors. All records should be reviewed with the supervising EEG technologist and at least two records/week with the clinical electroencephalographer.

On completion of this course, the student should demonstrate ability to record clinically adequate EEGs under ordinary laboratory conditions with supervision at the bedside, in the I.C.U. and in brain death situations.

5. ***Elements of Clinical EEG*** *(15 hours). Normal EEGs, in infant, child, adult and aged. Nonspecific and specific patterns of abnormality, awake and asleep, in various age groups, with clinical correlations. This may be taught jointly by the electroencephalographer and a qualified EEG technologist.*

6. **Clinical EEG Conferences** *(30 hours). Conducted by the clinical electroencephalographer, and supervising technologists. This is a review of clinical EEGs recorded by students, with critical (e.g., constructive) comments by the instructors. During the course, a presentation of records should be given by the students, with defense of procedures followed to obtain the most meaningful EEG possible on the particular patient.*

FACULTY REQUIREMENTS

In these Guidelines the words "qualified clinical electroencephalographer" indicate a physician or other medical scientist who spends at least twenty percent of his time in clinical electroencephalography and who:

- *A. Holds the diploma of the American Board of Qualification in Electroencephalography, or*
- *B. Holds a diploma or certificate of proficiency from the American Board of Electroencephalography, or*
- *C. Has other qualifications which are acceptable to the Joint Review Committee on Education in Electroencephalographic Technology.*

Essentials of an Accredited Educational Program for the Electroencephalographic Technologist

Adopted 1973 by the
AMERICAN ELECTROENCEPHALOGRAPHIC SOCIETY
AMERICAN MEDICAL ASSOCIATION
AMERICAN MEDICAL ELECTROENCEPHALOGRAPHIC ASSOCIATION
AMERICAN SOCIETY OF ELECTROENCEPHALOGRAPHIC TECHNOLOGISTS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATION IN ELECTROENCEPHALOGRAPHIC TECHNOLOGY

PREAMBLE

OBJECTIVE

The education and health professions cooperate in this program to establish and maintain standards of appropriate quality for educational programs in the allied health professions and services, and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*.

These standards are to be used as a guide for the development and self-evaluation of educational programs for electroencephalographic technologists. Survey teams report on site visits, and lists of the accredited programs are published for the information of employers and the public. Students for the allied health occupations are taught to work with and under the direction of physicians in providing health care services to patients.

DESCRIPTION OF THE OCCUPATION

An EEG technologist's basic function is to provide in collaboration with the electroencephalographer for the recording of interpretable records from patients. This may entail the supervision of EEG technicians. In addition, the technologist is skilled in the following duties:

- Patient handling
- Patient briefing
- History taking and abstracting
- Application of adequate recording electrodes
- Understanding of the optimal use of EEG equipment
- Understanding of interfacing of EEG equipment and other electrophysiologic devices including a thorough understanding of personal and patient electrical safety
- Application of EEG technique to a specific patient's problem
- Recognition and understanding of the EEG activity displayed
- Recognition, correction and/or identification of artifacts
- Management of medical emergencies in laboratory
- Correction of instrument faults
- Debriefing of patient
- Knowledge of cortical and depth recording procedures
- Knowledge of and ability for electrocerebral silence recording
- Ability to write a descriptive report of the recording for the use of the electroencephalographer

The technologist should be capable of assuming responsibility for:

- Managing the laboratory
- Keeping laboratory records
- Scheduling appointments
- Ordering supplies

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Junior colleges
B. Senior colleges
C. Universities
D. Hospitals
E. Medical schools
F. Vocational/technical schools and institutions

The institution should be accredited or acceptable to the Committee on Allied Health Education and Accreditation (CAHEA). Schools, colleges, and universities must have the necessary clinical affiliations.

II. CLINICAL AFFILIATIONS

A. The clinical phase of the educational program must be conducted in a clinical setting and under competent clinical direction.

B. When academic training and clinical experience are not provided in the institution, accreditation shall be given to the institution responsible for the academic training (student selection, curriculum, academic credit, etc.), and the educational administrators shall be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

C. In the clinical teaching environment, an effective ratio of students to instructors shall be maintained.

III. FACILITIES

A. **General.** Adequate classrooms, laboratories, and administrative offices should be provided.

B. **Laboratory.** Appropriate modern equipment and supplies for directed experience should be available for student participation.

C. **Library.** A library should be readily accessible and should contain an adequate supply of up-to-date scientific books, periodicals, and other reference material pertinent to the curriculum.

IV. FINANCES

A. Financial resources for continued operations of the educational program shall be assured through regular budgets.

B. The institution shall not charge excessive student fees.

C. Advertising must be appropriate to an educational institution.

D. The program shall not substitute students for paid personnel to conduct the work of the clinical facility.

V. FACULTY

A. **Program Director**

1. *Qualifications.* The program director should be a qualified EEG technologist, recognized by the American Board of Registration of Electroencephalographic Technologists, American Board of Electroencephalography, or equivalent. A baccalaureate degree would be desirable.
2. *Responsibilities.* In addition to other assignments, the director of the educational program is also responsible for the organization, administration, periodic review, continued development, and general effectiveness of the program.

B. **Medical Director**

The medical director of the program should be a qualified electroencephalographer who will provide competent medical direction for the clinical instruction and for clinical relationships with other allied health educational programs and should develop the understanding and support of practicing physicians.

C. **Change of Director**

If the director of the educational program or the medical director is changed, immediate notification should be sent to the AMA Department of Allied Health Evaluation. The curriculum vitae of the new director, giving the details of his training, education, and experience in the field, must be submitted, and, if the new director's credentials are in order, accreditation will be continued.

D. **Instructional Staff**

The faculty should be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

E. **Advisory Committee**

An advisory committee should be appointed to assist the directors in continuing program development and evaluation, in faculty coordination, and in coordinating effective clinical relationships.

VI. STUDENTS

A. **Admission Requirement**

High school graduation or equivalent, with emphasis on physical and/or biological sciences is required. Admission with advanced class standing may be considered for the student who has successfully completed an approved educational program for an EEG technician.

B. **Selection**

In colleges and universities, selection of students should be made in accordance with the generally accepted practice of the institution. In hospital-sponsored programs, selection of students should be made by an admissions committee in cooperation with those responsible for the educational program. Admissions data should be on file at all times in colleges, universities, or hospitals sponsoring the program.

C. **Health**

Applicant shall be required to submit evidence of good health and successful vaccination. A student health service should be available for all students. When students are learning in a clinical setting, the institution should provide such students with the protection of the same physical examinations and immunizations as are provided to hospital employees working in the same clinical setting.

D. **Number**

The number of students enrolled in each class should be commensurate with the most effective learning practices and should also be consistent with applicable student-teacher ratios.

E. **Counseling**

A student guidance and placement service should be available.

VII. RECORDS

Satisfactory records should be provided for all work accomplished by the student in the training program. Monthly and annual reports of the work of the department should be prepared and available.

A. **Student**

1. Transcripts of high school and college credits
2. Report of medical examination, including chest film and record of subsequent illnesses
3. Record of class and laboratory participation
4. Attendance and grades

B. **Curriculum**

1. Copy of complete curriculum
2. Copies of course outlines, class schedules, directed experience and teaching plans
3. Copies of practical and written examinations on file and available for review

VIII. CURRICULUM

A. The minimal length of the educational program should be 12 months.

B. Instruction should follow a planned outline which includes:

1. Assignment of appropriate instructional materials
2. Classroom presentations, discussions, and demonstrations
3. Supervised practice discussions
4. Examinations, tests, quizzes, oral and written, for didactic and clinical aspects

C. General courses or topics of study, both didactic and clinical:

1. Anatomy, physiology and neuroanatomy (major emphasis on brain)
2. Clinical medicine (including neurology, neurosurgery, radiology, neuropathology, internal medicine and psychiatry)
3. Electronics and instrumentation, including personal and patient electrical safety
4. Special instrumentation and procedures
5. EEG laboratory 1: basic techniques
6. EEG laboratory 2: clinical practicum
7. Clinical electroencephalography
8. Clinical EEG conferences

D. **Synopsis**

The complete curriculum, including the rotation of assignments, the outline of the instruction supplied, and lists of multimedia instructional aids, should be kept on file.

IX. ADMINISTRATION

A. **Catalog**

An official publication, including a description of the curriculum, organization of the program, names and academic rank of faculty, entrance requirements, tuition and fees, and information about the hospitals and facilities used for directed experience, should be issued at least biennially.

B. **Accreditation**

The evaluation of an institution or program can be initiated only by the express invitation of the chief administrator of the sponsoring institution or an officially designated representative.

C. **Withdrawal**

The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation and collaborating organizations may withdraw accreditation whenever:

1. The educational program is not maintained in accordance with the standards outlined above, or
2. There are no students in the program for two consecutive years.

Accreditation is revoked only after advance notice has been given to the head of the institution that such action is contemplated, and the reasons therefore, sufficient to permit timely response and the use of established procedure for appeal and review.

D. **Reevaluation**

1. *Review.* The head of the institution being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the survey team, and to comment on its accuracy before action is taken.
2. *Appeal.* At the request of the head of the institution a resurvey may be made. Accreditation decisions may be appealed by letter to CAHEA.

E. **Reports**

An Annual Report should be made to CAHEA and collaborating organizations. A report form is provided and should be completed, signed by the director of the educational program, and returned promptly.

F. **Resurvey**

The AMA and collaborating organizations will periodically resurvey educational programs for consultation and reevaluation.

APPLICATIONS AND INQUIRIES

A. **Accreditation**

Application for accreditation of a program shall be made to:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

B. **Careers**

Inquiries regarding career information should be addressed to:

American Society of Electroencephalographic Technologists
32500 Grand River Ave, Suite 103
Farmington, MI 48024

American Medical Electroencephalographic Association
850 Elm Grove Dr
Ste 11
Elm Grove, WI 53122

C. **Registration-Certification**

Inquiries regarding registration or certification of qualified graduates of the accredited program should be addressed to:

American Board of Registration of Electroencephalographic Technologists
Secretary
Austin Neurological Clinic
510 Medical Park Tower
Austin, TX 78705

American Board of Electroencephalography
Secretary-Technologist Division
American Medical Electroencephalographic Association
825 Nicollet on the Mall
Minneapolis, MN 55402

Guidelines for the *Essentials of an Accredited Educational Program for the Electroencephalographic Technologist*

Approved 1973 by the
AMERICAN ELECTROENCEPHALOGRAPHIC SOCIETY
AMERICAN MEDICAL ASSOCIATION
AMERICAN MEDICAL ELECTROENCEPHALOGRAPHIC ASSOCIATION
AMERICAN SOCIETY OF ELECTROENCEPHALOGRAPHIC TECHNOLOGISTS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATION IN ELECTROENCEPHALOGRAPHIC TECHNOLOGY

FOREWORD

1. The basic educational requirements are stated in the Essentials of an Accredited Educational Program for Electroencephalographic Technologists, *as adopted by the AMA House of Delegates, June, 1973.*

2. The purpose of these Guidelines is to supplement, by examples, the general content, and to indicate the relative stress to be placed upon elements of the curriculum.

LENGTH AND LOCALE OF TRAINING

1. Although originally conceived as a one-year basic course, the elements of the Essentials *may be incorporated into a two-year associate degree program operated in conjunction with a senior or junior college. In the event the program is a non-degree program for EEG Technologists, it will generally consist of forty-eight calendar weeks divided into quarters, trimesters or semesters. In the event the program is combined with courses given at a senior or junior college the entire course may consist of seventy-two to seventy-eight weeks, and may be divided differently in the first and second year. The integration of the technical and scientific training with other educational material so as to lead to an associate degree is encouraged. Additional courses should include scientific writing, math skills, elementary statistics, general physics and chemistry, general psychology, sociology and appropriate business courses.*

2. The educational program should be sponsored by an educational institution accredited by a regional accrediting association or hospital accreditation body. In any event, the institution concerned with the technological portion of the training must be acceptable to the Committee on Allied Health Education and Accreditation and the Joint Review Committee on Education in Electroencephalographic Technology.

3. There must be adequate clinical facilities available, either directly controlled by the sponsoring institution, and/or by written agreements, with annual review, with clinical hospital facilities capable of augmenting those of the sponsoring institutions. As a general guideline, the total facilities for clinical practicum should provide a broad scope of clinical problems at all ages.

4. The faculty should be educationally qualified to teach the areas assigned to them. If the program is in a college, university, or technical school, qualified members of the appropriate departments should be assigned as teachers in the EEG technologist program. Faculty members should be charged with developing an appropriate course of study, in consultation with the program director and medical director, and with conducting suitable examinations.

5. While it is recognized that current trends in grading of individuals in academic programs are variable, it is recommended that grading procedures be in accordance with established policies within the institution. Where no such policy is indicated by the institution, guidelines should be established specifying how grades are determined, i.e., letter grades (A,B,C,D,E, inc.); percentage points; or pass-fail. In a pass-fail system, it is assumed that examinations will be given and that "pass" means exceeding an acceptable level ("C or 70%").

6. In no case may a student originally enrolled in the "technologist" course, who is below minimal standards for completion of that course, be given a lower order designation as "technician". If a student were to change status from technologist trainee to technician trainee (in any institution offering both programs), he would wait to re-enroll until the beginning of the next technician training program.

FACULTY

1. The faculty for the portion of the two-year program leading to an associate degree which is given in a junior or senior college should be determined by the standards of that institution. The faculty of the portion of the program dealing with electroencephalography and clinical neurophysiology will consist of qualified physicians, medical scientists, biomedical technicians, and EEG technologists. In these Guidelines the words "EEG technologist" or "teaching technologist" are intended to mean an EEG technologist with at least five years experience in clinical EEG technology who has successfully passed a recognized certifying examination in EEG technology acceptable to the Joint Review Committee on Education in Electroencephalographic Technology. In addition, he should have exposure to, and an understanding of, other clinical neurophysical diagnostic procedures.

2. In these Guidelines the words "qualified clinical electro-

encephalographer" indicate a physician or other medical scientist who spends at least twenty-five percent of his time in clinical electroencephalography and who:

A. Holds the diploma of the American Board of Qualification in Electroencephalography; or

B. Holds a diploma or certificate of proficiency from the American Board of Electroencephalography; or

C. Has other qualifications which are acceptable to the Joint Review Committee.

COURSE OF STUDY

1. It should be emphasized that early introduction to EEG laboratory procedures has been found to be of critical importance in orienting and motivating the student to maximum development of skills in EEG technology, even if the majority of instruction during the first year (for those institutions providing a two-year Associate Degree course) is given in areas remote from the clinical laboratory for EEG technology. Therefore, special efforts should be taken to ensure scheduling students for EEG Laboratory I: Basic Techniques during the initial phase (quarter, semester) of the training program.

2. **Special Course Descriptions:** Figures in parentheses indicate contact hours recommended as minimal number which has been found to be adequate in teaching of the material outlined.

a. **Anatomy, physiology, and neuroanatomy** (40 hours). The basic material should be oriented around the brain and its support systems and functions, sensory, motor and associational. Sufficient emphasis on general anatomy should be placed so that the student can understand the problems and management of various clinical material and medical emergencies which may be encountered in EEG practice. Physiology, since it is an academic topic that includes support systems for cerebral functions, should emphasize those systems, and their dysfunctions which may lead to changes in the EEG record. Lectures in these general areas could begin with cerebral and general anatomy, in order to establish the foundation for learning. These courses should be specific enough to afford an understanding of other neurological diagnostic procedures. The most appropriate faculty for this course would be drawn from the fields of anatomy and physiology, and neurology.

b. **EEG laboratory I: basic techniques** (40 hours). This should be initiated as early as possible, covering basic electrode design and application, instrument use (and mis-use) and patient management. Also, this course should include basic "first-aid" problems likely to be encountered in the EEG Laboratory (e.g., management of seizure patients, cardiac, and respiratory arrest). Basic principles of laboratory management, including record keeping, scheduling, and record storage should also be covered. Initial practice in electrode application, recording of normal subjects, awake and asleep, and descriptions of basic normal activity should be carried out on classmates and/or volunteer subjects. It is assumed that when progressing from Technique I to Technique II, the student should be facile in basic procedures. The most appropriate instructors for this material should be drawn from the ranks of qualified EEG technologists, emergency care personnel and practicing electroencephalographers.

c. **Clinical medicine, neurology and neurosurgery** (40 hours). This course should include didactic lectures and clinical demonstrations and attendance at clinics as an observer, which will make clear to the student the diseases which are commonly encountered in hospital EEG practice. The use of other diagnostic techniques used in evaluation of cerebral disease should also be included (e.g., brain scan, angiography, pneumoencephalography and ventriculography, encephalography and electromyography), to demonstrate the interrelationships of the various techniques. These lectures should be under the direction of experienced teachers in neurology and/or neurosurgery, and who are familiar with the problems of clinical EEG.

d. **Electronics and instrumentation** (48 hours). This material should cover the basic electronic principles upon which successful EEG technique is based, beginning with the electrode material, its interfacing with the patient, the effects of its impedance upon the input impedance of the amplifier, the controls of the amplifier (bandwidth, sensitivity, linearity) and display systems (e.g., ink-writer, etc.). Full discussion and understanding of electrical safety for patient and technologist should be presented with special emphasis on the hazards of microcurrents in patients with devices implanted near the heart, together with all problems of interfacing different equipment in a patient in an Intensive Care Unit. The faculty should be a qualified electronic engineer or biomedical electronic technician thoroughly familiar with EEG instrumentation and its problems, and/or a qualified EEG technologist with adequate background and experiences in electronics of EEG.

e. **EEG laboratory II: clinical experience** (450--550 hours). Initially this should be a one to one teaching situation using qualified technologists as instructors. As the student progresses, less supervision is required. At the end of the course the student should have the ability and experience necessary to independently record an electroencephalogram in any given circumstance. This should include bedside recordings in Intensive Care areas for various reasons including brain death recordings. Tracings recorded by the students should be routinely reviewed with the student by the Medical Director or some other qualified supervisory electroencephalographer and chief technologist. It is emphasized that these record review sessions with the electroencephalographers are an integral part of the total program and their role is of crucial importance. The student should prepare a descriptive (not interpretative) report on each tracing recorded. Faculty should include qualified EEG technologists and supervising qualified electroencephalographers.

f. **Clinical EEG** (34 hours). This section should precede and overlap with EEG Laboratory II. It consists of didactic lectures covering the history and development of clinical EEG, current technical and clinical applications, types of abnormalities in specific disease states, ranges of normality for various aged patients. This assumes that within the total program the student is learning to assemble the various basic building blocks which give him insight into the EEG of a particular patient as it unfolds before him, and the procedures which can be performed to enhance the effectiveness of the examination. Faculty should be drawn from qualified electroencephalographers and qualified technologists.

g. **Psychiatry and behavior** (16 hours). These lectures should include basic principles of behavior modification (i.e., learning) basic personality theories, intelligence and the clinical psychiatric syndromes likely to be encountered in routine office or hospital EEG practice. Faculty may be drawn from clinical psychologists and psychiatrists (or neuropsychiatrists).

h. **Special instrumentation and techniques** (36 hours). This material should be presented not only in a didactic manner, but also, through theoretical and clinical demonstrations. It should include event-related potentials (fast and slow), aver-

aging procedures, principles of radio-telemetry and wire-telemetry of EEG; interfacing of tape recorders and computers with EEG equipment. With the current developments in new instrumentation and procedures in clinical EEG practice, basic elements of computer applications in clinical EEG should be included. Faculty should include a qualified electronic engineer, and either research or fully qualified electrophysiologists. EEG technologists with adequate background experience may also serve in a faculty capacity.

i. **Clinical EEG conference** *(1–2 hrs/week). These formal conferences supplement the courses in Clinical EEG and EEG Laboratory II. They would include review of interesting and difficult cases seen in the laboratory, correlating relevant history and other laboratory and clinical findings, and evaluation of presentation by the students should be emphasized. During the year each student should be assigned at least one clinical EEG topic to review in depth, through literature search as well as from laboratory files. (Whenever appropriate, some clinical EEG problems could be correlated with the Special Instrumentation and Techniques course.) Faculty should be qualified EEG technologists and qualified electroencephalographers and/or neurologists; their function being to serve as critical discussion leaders, not as didactic lecturers. Provision should be made for the student to attend regular "braincutting" sessions and C.P.C.'s.*

STUDENTS

Basic requirements are given in the Essentials *(part VI). Provision is made for "admission with advanced standing" for applicants who may have had training in Clinical EEG recording at a lower level (see* Essentials of an Approved Educational Program for the Electroencephalographic Technician.*) It is anticipated that graduates of such a lower level program would meet the basic requirements for successfully completing EEG Laboratory I and II in the present program, but this should be ascertained by individual evaluation in each case. However, all other courses probably will require full completion before a satisfactory evidence of requirements for graduation and a "technologist" can be demonstrated. Individual evaluation may reduce the amount of such further didactic training or laboratory experience.*

Essentials of an Accredited Educational Program for the Emergency Medical Technician-Paramedic

Initially adopted 1978
Adopted by the
AMERICAN COLLEGE OF EMERGENCY PHYSICIANS
AMERICAN COLLEGE OF SURGEONS
AMERICAN MEDICAL ASSOCIATION
AMERICAN PSYCHIATRIC ASSOCIATION
AMERICAN SOCIETY OF ANESTHESIOLOGISTS
NATIONAL ASSOCIATION OF EMERGENCY MEDICAL TECHNICIANS
NATIONAL REGISTRY OF EMERGENCY MEDICAL TECHNICIANS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR EMT-PARAMEDICS

PREAMBLE

DESCRIPTION OF THE OCCUPATION

The emergency medical technician-paramedic is qualified by a competency-based educational program of clinical didactic and practice instruction and by a field internship in advanced emergency care and services. The competencies include but are not limited to the recognition, assessment and management of medical emergencies under the direction of a physician. The EMT-Paramedic primarily provides pre-hospital emergency care to acutely ill or injured patients by ambulance service and mobile advanced life-support units under medical command authority, and secondarily, in other appropriate settings which are under physician control.

Competency, knowledge, awareness of one's abilities and limitations, the ability to relate with people, and a capacity for calm and reasoned judgment while under stress are essential attributes of the EMT-Paramedic. The EMT-Paramedic respects the individuality and privacy of patients and their family members.

Given the knowledge, skills and field experience, EMT-P has competency in:

1. recognizing a medical emergency; assessing the situation; managing emergency care and, if needed, extrication; coordinating their efforts with those of other agencies that may be involved in the care and transportation of the patient; and establishing rapport with the patient and significant others to decrease their state of crisis;
2. assigning priorities of emergency treatment and recording and communicating data to the designated medical command authority;
3. initiating and continuing emergency medical care under medical control including the recognition of presenting conditions and initiation of appropriate invasive and noninvasive treatments, e.g. surgical and medical emergencies, airway and respiration problems, cardiac dysrhythmias, cardiac standstill, and psychological crises; and assessing the response of the patient to that treatment and modifying medical therapy as required under the direction of a physician or other authorized personnel;
4. exercising personal judgment in case of interruption in medical direction caused by communication failure or in cases of immediate life threatening conditions (under these circumstances, provides such emergency care as has been specifically authorized in advance);
5. directing and coordinating the transport of the patient by selecting the best available method(s) in conjunction with medical command authority;
6. recording in writing or dictation the details related to the patient's emergency care and the incident; and
7. directing the maintenance and preparation of emergency care equipment and supplies.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

The sponsoring institution of an EMT-Paramedic program of education and training shall be an accredited post-secondary educational institution, such as a university medical center, senior college, community college, vocational school, medical center or other institution which meets comparable standards for education in this field. All institutions must be affiliated with an accredited medical center or hospital which in turn is capable of supporting EMT-Paramedic education and training with sufficient supervised practice experience and which provides organized emergency care services that involve EMT-Paramedics who work under a medical command authority in an out-of-hospital setting.

II. CURRICULUM

A. Instructional content of the educational program shall include as a minimum the successful completion of stated education objectives that fulfill local and regional needs and that satisfy the requirements of this curriculum section.

The curriculum shall be organized to provide the student with knowledge of the acute, critical changes in physiology, psychological and clinical symptoms as they pertain to the pre-hospital emergency medical care of the infant, child, adolescent, adult and geriatric patient. Students must have an opportunity to acquire clinical experience and practice skills related to the emergency medical care of these patients. Students should also understand the ethical and legal responsibilities which they assume as students and which they are being prepared to assume as graduates.

The program shall consist of three components: didactic clinical instruction; in-hospital clinical practice; and a supervised field internship in an advanced life support unit which functions under a medical command authority. The time required to complete each component may vary, in part being dependent upon the ability of students to demonstrate their mastery of the educational objectives by written, verbal, and practical examination.

The program shall maintain on file for each component of the curriculum a reasonably comprehensive list of the terminal performance objectives to be achieved by the student. These objectives must delineate achievement in all competencies identified below and in curriculum documentation, measurement techniques used, and the records maintained on each student's work.

B. Instruction shall follow a competency-based plan of instruction supported by performance assessments:
   1. *Didactic Clinical Instruction*—Lectures, discussions and demonstrations presented by physicians and others who are competent in the field
   2. *In-hospital and Other Clinical Practice Settings*—Instruction and supervised practice of emergency medical skills in critical care units, emergency departments, OB units, operating rooms, and psychological crisis intervention centers, and other settings as appropriate
   3. *Field Internship*—The field internship is a period of supervised experience on an intensive care vehicle which provides the student a progression of increasing patient care responsibilities and which proceeds from observation, to working as a student, to working as a member of the team. There shall be provision for physician evaluation of student progress in acquiring the desired competencies to be developed through this experience.

      The intensive care vehicle shall have telecommunication with medical command authority and equipment and drugs necessary for advanced life support. The student must be under the direct supervision and observation of a physician, a nurse qualified in emergency medicine, or an EMT-Paramedic approved by the medical command authority. The experience should occur within an emergency medical care system that involves EMT-Paramedics in the provision of advanced emergency medical care services and that maintains a defined program of continuing education for its personnel.

C. General courses and topics of study must be achievement oriented and shall provide students with:
   1. The necessary knowledge, competencies, and attributes to perform accurately and reliably the functions and tasks stated and implied in the above "Description of the Occupation;"
   2. Instruction which is sufficiently comprehensive and encompasses:
      a. orientation to the occupation
         1. responsibilities of the occupation
         2. interprofessional responsibilities
         3. career pathways in emergency medical services
         4. legal responsibilities
      b. development of interpersonal skills
         1. awareness of one's abilities and limitations
         2. ability to accept direction
         3. awareness of impact on others
         4. willingness and ability to communicate with others
         5. ability to build a working relationship with patients and peers
         6. ability to function as a team member
         7. ability to accept patients as they present themselves, without passing judgments
         8. ability to involve others significant to the patient
         9. ability to respond to a patient's sense of crisis
      c. development of clinical assessment skills
         1. ability to obtain information rapidly by talking with the patient and by physical examination; by interviewing others; and from observation of the environment
         2. ability to organize and interpret data rapidly
         3. ability to communicate concisely and accurately
         4. ability to understand pertinent anatomy, physiology, pharmacology, microbiology and psychology
      d. development of clinical management and technical skills relating to the assessment and emergency treatment of
         1. the cardiovascular system, including recognition of dysrhythmias, angina, myocardial infarction, and congestive heart failure
         2. the respiratory system, including spontaneous pneumothorax, chronic obstructive pulmonary disease, acute asthma, trauma to the chest and airway, respiratory distress syndrome and acute airway obstruction
         3. chest and abdominal trauma
         4. medical emergencies, including acute abdominal disease, infections, and endocrine disorders such as diabetes mellitus
         5. the central nervous system, including hemorrhagic stroke, seizures, drug overdose, drug incompatibilities, and alterations in levels of consciousness
         6. trauma to the central nervous system, including closed and open head injuries and spinal cord injuries
         7. musculoskeletal trauma, including the peripheral neurovascular system and pelvic injuries
         8. obstetrical emergencies, including complications of the 1st, 2nd and 3rd trimesters of pregnancy, bleeding, atypical presentations, and eclampsia of primiparous and multiparous females
         9. gynecological emergencies, such as vaginal bleeding
         10. pediatric emergencies, including respiratory conditions such as croup and epiglotitis, respiratory distress of the newborn, dehydration, infectious diseases, seizures, child abuse, aspirations, poisonings, and neonatal transfers
         11. psychiatric emergencies, including recognition of, and crisis intervention techniques relating to, problems such as the suicidal, assaultive, destructive, resistant, anxious, bizarre, confused, alcoholic, drug-addicted, toxic, overdosed, amnesic or paranoid patient may present
         12. sexual assault

        13. special situations including carbon monoxide and other noxious inhalations and poisonings, near-drownings, submersion, over-exposure to hot and/or cold weather extremes, electrocution, high altitude incidents, burns, environmental and industrial exposures, and other knowledge and competencies as appropriate to the region
    e. development of technical skills associated with biomedical communications, including telemetry, record keeping, use and maintenance of equipment, emergency and defensive driving, and principles and techniques of extrication

III. RESOURCES

A. Administration

1. Medical Director
    a. Each program shall have a medical director who shall be a licensed physician and who shall provide direction over all clinical instruction and clinical practice experience required by the program. Where appropriate, the medical director should be a member of the local medical school faculty.
    b. The medical director must be knowledgeable and experienced in emergency medical care and should have demonstrated ability in education and/or administration.
    c. The medical director shall be primarily responsible for the recruitment, selection and orientation of instructors and clinical preceptors; and the maintenance of an on-going evaluation of students' clinical and field experience by qualified physicians and other clinical activities.
    d. The medical director may also be the program director.
2. Program Director
    a. The program director provides overall direction and coordination of the planning, organization, administration, periodic review, continued development, funding, and effectiveness of the program. Among the functions to be maintained are the processing of student applications; the selection of students; the scheduling of classes and assignment of faculty; the coordination of examination and evaluation of students, including the preparation of assessment materials; the development and availability of required equipment and materials for each class; the maintaining of an adequate inventory of training equipment, including audiovisual resources; the provision for counseling services to students on an individual and a group basis; the establishment of liaison between students, program staff, the sponsoring institution and its affiliates; the supply of information about the program to interested individuals and organizations; the preparation of the program budget; and, as appropriate, assistance in class instruction.
    b. The program director may also be a physician.

B. Instructional Faculty

1. The faculty shall be qualified through academic preparation, training and experience to teach the courses and topics identified in the curriculum.
2. A planned program for the continuing education of the faculty in matters relating to their teaching responsibilities should be in evidence. The faculty may include qualified physicians, nurses, EMT-Paramedics, and other individuals.

C. Finances

1. Financial resources adequate for the continued operation of the educational program shall be ensured for each class of students enrolled.
2. The institution shall not charge excessive student fees.
3. Advertising must accurately describe the educational program and the benefits of such education and training.
4. The program shall not substitute students for paid personnel in work on intensive care units, in the field, or for others who work or teach in the clinical facility.
5. There shall be evidence of an auditing and an accounting of financial resources required, generated and expended by the program.

D. Facilities

1. Clinical practice training must occur under competent medical direction within accredited teaching hospitals which maintain active organized emergency medical services, critical and/or intensive care units, and out-of-hospital mobile intensive care units, or, units associated with intensive care vehicles.
2. Access to supplies and equipment used in the provision of emergency medical care shall be consistent with the needs of the curriculum and the students and faculty assigned to courses of instruction and practice experience.
3. Classrooms, laboratories and administrative offices shall be provided with sufficient space to accommodate the number of students matriculated in the program and supporting faculty.
4. Library resources shall be readily accessible to students and shall include current periodicals, scientific books, audiovisual and self-instructional resources and other references related to the curriculum.

E. Clinical Affiliations

1. Clinical affiliations shall be established and confirmed in written affiliation agreements with institutions and agencies that provide medical direction to and continuing assessment of student performance.
2. The applied practice component of the education shall occur within an emergency medical service system that delivers EMT-Paramedic services under medical direction, and that has telemetric communications, all necessary drugs and equipment, an evaluation system to insure quality in the care provided, and an organized program of continuing education for its personnel.
3. In each component of clinical training there shall be an appropriate ratio of students to instructors to ensure effective learning.
4. To facilitate the development of their clinical competencies, students shall have access to patients who present common problems encountered in the delivery of advanced emergency care in adequate numbers and in distribution by sex and age.
5. In programs where the clinical didactic instruction and supervised practice experience are not provided in the same institution, accreditation shall be given to the institution responsible for the academic components of the program. Activities

assigned to students in the clinical setting shall be educationally efficient and effective in achieving the program's objectives.

F. **Physical**
   1. General—classrooms, laboratories, administrative offices and other facilities shall be provided.
   2. Equipment and Supplies—appropriate modern equipment and supplies in sufficient quantities shall be provided.
   3. Library—a library shall be readily accessible and contain an adequate supply of up-to-date books, periodicals, and other reference materials related to the curriculum.
   4. Records
      a. Student
         1. Transcripts of high school, collegiate credits and other credentials shall be accessible and on file.
         2. Report of medical examination upon entry to and exit from the program shall be maintained. Examination on entry shall include evidence of policies which promote the protection of students and the public from transmission of communicable diseases.
         3. A record of class and practice participation and evidence of competencies obtained by each student throughout the education and training program shall be maintained.
         4. Copies of oral and written examinations and assessments of the students' developing and attained competencies shall be maintained for periodic review and analysis.
      b. Curriculum
         1. A descriptive synopsis of the current curriculum shall be on file.
         2. Statements of course objectives, copies of course outlines, class schedules, schedules of supervised clinical experience, and teaching plans shall be on file and available for review.
         3. A copy of the complete curriculum shall be on file.

G. **Number**
   The number of students enrolled in each class shall be commensurate with effective learning and teaching practices.

IV. STUDENTS

A. Students shall be provided with a clear description of the program and its content, including learning goals, course objectives, and competencies to be attained.

B. **Selection Prerequisites**
   1. High school graduation or general education equivalent.
   2. Maturity of judgment, sound moral character and health status which provides reasonable assurance that the student will meet the physical and mental demands of the occupation.
   3. Evidence of successful completion of a course of training for EMT-Ambulance.
   4. Evidence of certification as an EMT-Ambulance.
   5. In programs which combine EMT-Ambulance and EMT-Paramedic training, the requirement of 3 and 4 above may be completed concurrently with the didactic and practice portions of the EMT-Paramedic program. These requirements must be fulfilled before students begin their field internships.
   6. Equivalent military training within the past year and experiences as approved by the State agency may be substituted for 3 and 4 above.
   7. A recommendation by the admissions committee attesting to the applicant's attitude, professionalism, motivation, dependability and desire to follow instructions and orders with reliability.

C. **Counseling**
   Counseling services shall be accessible to students. Guidance and placement services shall be available to new graduates.

D. **Identification**
   Students shall be clearly identified by nameplate, uniform, or other apparent means to distinguish them from graduate emergency medical service personnel, other health professionals, workers, and students.

E. Criteria for successful completion of each segment of the curriculum and for graduation shall be given in advance to each student. Appropriate appeal mechanisms shall be made known and be available to the students.

F. It shall be the responsibility of the program officials to determine that the applicant's/student's health will permit him/her to complete the program. Students must be informed of and have access to the usual student health care services of the institution. Where appropriate, emergency medical care must be available.

V. OPERATIONAL POLICIES

A. Student matriculation practices and student and faculty recruitment shall be non-discriminatory with respect to race, color, creed, sex or national origin.

B. Announcements and advertising about the program shall reflect accurately the education and training being offered.

C. The program shall be educational and students shall use their scheduled time for educational experiences.

D. Health and safety of students, faculty, and patients shall be adequately safe-guarded.

E. Costs to the student shall be reasonable and accurately stated and published.

F. Policies and processes for student withdrawal and refunds on tuition and fees shall be fair, published and made known to all applicants.

VI. CONTINUING PROGRAM EVALUATION

A. A process for periodic and systematic review of the program's effectiveness must be documented. The results of these reviews must be considered and reflected in policies developed and in the program's self-study.

B. One element of this evaluation shall be the employment record of graduates of the program.

VII. MAINTAINING ACCREDITATION

A. The Annual Report form provided by the Committee on Allied Health Education and Accreditation shall be completed, signed by the program director and returned by the established deadline.

B. If the program director, or the medical director, of an accredited program is changed, prompt notification shall be sent to the Department of Allied Health Evaluation of the AMA. A curriculum vitae of the new program official, giving details of training, education and experience in the field, shall be provided.

C. The Committee on Allied Health Education and

Accreditation may withdraw accreditation whenever:

1. The educational program is not maintained in substantial compliance with the *Essentials* outlined herein, or
2. There are no students in the program for two consecutive years.

D. Accreditation will be withdrawn only after notice has been given to the chief executive officer of the institution that such action is contemplated, with the reasons therefore, and with sufficient time to permit timely response and the use of established procedures for appeal and review.

ADMINISTRATION OF ACCREDITATION

1. Application for accreditation of a program should be made to:
   Department of Allied Health Evaluation
   American Medical Association
   535 N Dearborn St
   Chicago IL 60610
2. The evaluation and accreditation of a program can be initiated only at the written request of the chief executive officer of the sponsoring institution or his officially designated representative.
3. A sponsoring institution may withdraw its request for initial accreditation at any time (even after the site visit) prior to final action.
4. The program being evaluated is given the opportunity to review the *factual* report of the visiting survey team and to comment on its accuracy before final action is taken.
5. CAHEA and cooperating review committees will periodically resurvey educational programs for continued accreditation.
6. The chief executive officer of the sponsoring institution may request that a return on-site evaluation be made in the event of significant deficiencies in the performance of an earlier evaluation team.
7. Adverse accreditation decisions may be appealed by writing to the Committee on Allied Health Education and Accreditation. Due process will be followed.

Essentials and Guidelines of an Accredited Educational Program for Histotechnology

Essentials initially adopted 1970; revised 1978
Adopted by the
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
AMERICAN MEDICAL ASSOCIATION
In collaboration with the
AMERICAN SOCIETY FOR CLINICAL PATHOLOGISTS
AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY
NATIONAL SOCIETY FOR HISTOTECHNOLOGY

Guidelines approved 1978

Program Review Committees
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
with the
REVIEW COMMITTEE FOR HISTOTECHNOLOGY

> *Essentials,* which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
> Guidelines, explanatory documents which clarify the *Essentials,* are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials.*

REQUIREMENTS FOR ACCREDITATION

I. ADMINISTRATION

1. Educational programs for histotechnology must be conducted by institutions acceptable to the Committee on Allied Health Education and Accreditation (CAHEA), and must be associated with histopathology laboratories which process an appropriate number and variety of tissue specimens.
   A. Such institutions may be medical schools, accredited colleges or universities, or hospitals. Affiliation with histopathology laboratories in other types of health care facilities may be included, provided the educational activities in such laboratories are under the jurisdiction of the CAHEA accredited program.
   B. A minimum of 3,000 surgical and autopsy specimens must be processed annually by the histopathology laboratory(ies) involved in the educational program.
   C. Monthly records of numbers of slides examined, and of routine and special procedures performed are required in order to assess the personnel workload ratios and the adequacy of material available for educational purposes.
2. The administrative organization of an accredited educational program for histotechnology must coordinate its personnel resources to accomplish the purposes for which the program is established.
   A. The duties and responsibilities of the principal educational personnel of the program must be clearly defined.
   Principal educational personnel include 1. the medical director(s) and 2. program director and/or education coordinator. Definitions of duties and responsibilities may be in the form of job descriptions.
   B. The medical director must be present for sufficient periods of time to take an active part in teaching and supervising activities.
   C. When service and educational responsibilities of the program director or education coordinator are combined, there must be provision for appropriate proportions of time for the two categories of activities, within the established norms for work loads.

No program director or education coordinator should be expected to carry a full time technical service load and also be responsible for activities associated with the educational program.

3. The medical director must be a physician qualified in anatomical pathology or who has education and experience acceptable to NAACLS and CAHEA.

If the medical director is not certified or eligible for certification in anatomical pathology or other acceptable specialty, the curriculum vitae must describe the equivalent training and experience in anatomical pathology.

4. The program director or education coordinator must be a qualified histotechnologist and must have completed at least two years of college work, or the equivalent, and have had at least three years of experience in histotechnology.

If the proposed individual is not certified in histotechnology, nor eligible for such certification and/or does not meet the *requirement for college work, there must be documentation of experience in histotechnology and continuing education which is acceptable to NAACLS and CAHEA.*

5. When there is a change of medical or program director or education coordinator, the curriculum vitae of the new appointee must be submitted to the CAHEA through NAACLS within 60 days after the appointment. The new appointee must meet the same qualifications prescribed in these *Essentials.*

No new students may be enrolled while a program is without an appropriate director, but students already in the program may complete the program without jeopardy.

II. EDUCATIONAL PROGRAM

6. The program must demonstrate the relationship between quality education processes to the policies of admission, content of the curriculum, instructional methods and procedures, quality of work required of the students, and requirements for graduation.
    A. The admission policies should be based on established criteria that are necessary to ensure admission of students who are prepared for the educational program. Admission may not be denied on the basis of race, creed, sex, age or national origin.

Quantitative criteria may include such components as grade point average, high school graduation, completion of courses in specified subject matter areas, or scores on standardized aptitude tests (provided the aptitudes tested are clearly related to the functions of histotechnology personnel).

Qualitative criteria may include assessments of interviews, recommendations, statements of career goals written by the applicant, and health status.

B. The curriculum must reflect the relationship between the content of the course of study and histotechnology functions, including principles and practice, application of basic sciences, and interprofessional relations, medical ethics, medical terminology,review of chemistry, laboratory mathematics, anatomy and tissue identification, instrumentation, quality control, microscopy, and processing procedures (fixation, dehydration, clearing, embedding, sectioning, decalcification, mounting routine and special stains). A permanent file of course descriptions must be maintained.

C. A 12 month curriculum plan covering the entire program must include:

Description of competencies the students will have on completion of the program.

Objectives for each unit of instruction. (A unit of instruction may be defined by subject area content, clusters of related skills to be developed, directed practice experiences, etc.)

Descriptions of learning experiences for each unit of instruction, including lecture topics, demonstrations, directed practice assignments, required study materials, etc.

Methods and frequency of evaluation of student achievement of objectives.

D. Instruction and evaluation must be related to the objectives of the components of the course of study. Modes of instruction must be appropriate for the types of learning experiences required. Evaluation of student performance should be compatible with the characteristics of acceptable performance and the instructional emphasis.

E. Instruction in the program must be supported by appropriate supplies, equipment and instruments, instructional materials, and physical facilities.

Instructional materials and equipment must be designated for student use, or available for practice without impeding the service functions of the laboratory. Laboratory space should accomodate education activities without impeding laboratory service functions, and must meet standards of safety, including those for ventilation. Classrooms space should be adaptable to lecture, conferences, and informal group activities.

Instructional materials include demonstration/practice tissues, textbooks, outlines, procedure manuals, instrument manuals, study problems, audiovisual materials, etc.

F. At least two students per class must be enrolled. The course of study must begin on an established date each year unless an exception is granted by CAHEA. Enrollment may be expanded only after obtaining CAHEA approval.

Approval to expand enrollment may be requested from CAHEA through NAACLS. The request must be accompanied by justification with supporting information reflecting adequate support of additional students in terms of clinical material, space, personnel, and equipment/instruments.

G. Student records must include:

Documents and other information submitted for admission

Grades earned in courses or units of instruction

Performance ratings

Attendance record

Checklists of procedures mastered

Directed practice assignments

III. FACULTY

7. In addition to the medical director and program director or education coordinator, appropriate staff personnel of the histopathology laboratory are expected to participate in program planning, instruction, evaluation, and/or directed practice supervision. They are included in the student/faculty ratio provided the following qualifications are met:

    Qualified as a histotechnologist or equivalent. (The curriculum vitae must include a description of equivalent education and experience.)

    Assignments for service/education are proportional to the responsibilities consistent with standard norms for workloads.

8. Evidence of annual continuing education in the field of histotechnology must be documented by the teaching staff. The institution must provide financial support and/or released time for continuing education.

IV. INSTITUTIONAL AND STUDENT FINANCES

9. Resources for conducting the educational program must be provided in the regular departmental budget, which may be supplemented by grants or other external sources. Maintaining as complete a record of budget allocations and expenditures as possible is encouraged.
10. Tuition and fees, if required, must be consistent with generally acceptable levels assessed by other reputable institutions. A policy and procedures for refunds to students who withdraw must be provided.
11. Student stipends, if offered, must be fully justified, and must not imply expectation of productive service to augment or substitute for regularly employed staff required by the laboratory workload.

Opportunities for part-time paid work in the laboratory may be offered if students have the necessary skills and knowledge to perform the required work, and are under competent supervision, and if the work is outside of normal instruction periods.

Staff of the laboratory must be adequate to do the work of the department without the students being present.

Evidence of exploitation of students will put the program in jeopardy of loss of accreditation.

V. AFFILIATION AGREEMENTS

12. Accreditation of histotechnology programs conducted by a college or university which does not have its own clinical facilities is contingent upon affiliation with acceptable histopathology laboratories to accomodate placement of students for clinical experience. Such affiliations must be formalized by written agreements which specify the individual and mutual responsibilities of the parties to the agreement with respect to:
    Faculty responsibilities, qualifications, and appointments
    Student/faculty ratio, which must not exceed 2:1
    Participation in curriculum development, program evaluation, student counseling, and placement of students
    Professional liability insurance requirements
    Duration of the agreement and provisions for termination
    Administrative responsibilities
    Similar agreements may be arranged for an accredited program in histopathology laboratory for special extensions of learning experiences of its students.

VI. STUDENT SERVICES

13. Provision should be made for appropriate academic, career, and/or personal counseling.
14. Provision should be made for covering students for liability.
15. Services should be available for evaluation and maintenance of student health comparable to that provided by educational institutions or by other institutions for employees. Precautions should be implemented which prevent health hazards in the histopathology laboratory.
16. Rules and regulations governing acceptable conduct must be clearly defined and published. The procedure for student appeals must be specified, and must ensure impartial resolution of problems.

VII. FAIR PRACTICES

17. Students in the histotechnology program must not be used as substitutes for, or replacement of, paid laboratory personnel.

Students can be paid in scholarship, but should not be expected to work in return for this. If they are paid for any work, this should be for work outside normal classroom hours, and they should not be allowed to work excessive hours to the detriment of their educational program.

Graduated stipends are to be avoided as they tend to imply services rendered of increasing value.

18. The clinical laboratory staff should be adequate to accomplish the work of the department without depending on the assistance of students.
19. Students should not perform tests in the clinical laboratory without competent and adequate supervision.
20. Any indication of exploitation of students will result in the removal or withholding of program approval.

VIII. MAINTAINING ACCREDITATION

21. Accreditation shall be withdrawn whenever, in the opinion of CAHEA, the institution does not maintain an educational program in accordance with these *Essentials.* Due process will be observed in all cases.

Appeal procedures are available at two levels: NAACLS and the Committee on Allied Health Education and Accreditation.

1. *NAACLS Appeal Procedure*
   Notification: *The review committee chairperson will notify the program officers of recommendation to deny or withdraw accreditation citing supporting evidence for the decision. A period of 30 days from receipt of this notification is provided to allow for response from the officer(s).*
   Response: *The officer(s) may respond in writing, taking one of two courses of action:*
   a. *Concur by withdrawing the application, or requesting removal from the list of accredited programs*
   b. *Petition for reconsideration of the application or reaccreditation self-study documents, submitting supplementary clarifying or explanatory materials; or*

   Make no response within the specified time period; in this case, the applicable recommendation will be forwarded to the Review Board.

   Petition: *If the petition is denied after consideration of supplementary materials submitted, the officer(s) will be so informed with an invitation to appear before the Review Committee to present the case at a time and place selected by the Committee. A period of 30 days will be allowed for response.*
   a. *If response is not received in the specified period, the applicable recommendations will be forwarded to CAHEA.*
   b. *If after representatives present the case, the Review Committee concurs with the original decision to withdraw or deny accreditation, appeal may be made to the Review Board for reconsideration.*
   c. *If, after presentation of their case to the Review Board, the Board concurs with the Review Committee's decision to deny or withdraw accreditation after review of the complete set of documents, the applicable recommendations will be forwarded to CAHEA.*
2. *CAHEA Appeal Procedure*
   If the program received notification from the Committee on Allied Health Education and Accreditation of an adverse accreditation decision (i.e., denial of accreditation or involuntary withdrawal of accreditation), the notification will be accompanied with a document outlining the mechanisms for appeal to CAHEA. The appeal should be written and addressed to CAHEA.
3. *Reapplication*
   On withdrawal or denial of accreditation, reapplication will not be considered for one year.

22. The Annual Report requested by CAHEA must be completed, signed by the program official(s) and returned to CAHEA by the deadline established by CAHEA.

ADMINISTRATION OF ACCREDITATION

The initial accreditation process of the program of study (which includes a site-survey) must be initiated by the express invitation of the chief administrator of the institution or his officially-designated representative. Application for accreditation of a program should be made to:

Committee on Allied Health Education and Accreditation
Department of Allied Health Evaluation
American Medical Association
535 North Dearborn Street
Chicago, Illinois 60610

The program may withdraw its request for initial accreditation at any time prior to final action (even after evaluation).

NAACLS, in cooperation with CAHEA, will periodically resurvey educational programs for consulation and reevaluation. The director of the program being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the visiting survey team and to comment on its accuracy before final action is taken.

Resurveys may be conducted when a program comes to the attention of the NAACLS Review Board or the committee due to deficiencies or outstanding problem situations. Resurveys may also be conducted or a self-study report required if a program changes its curriculum significantly.

At the request of the chief administrative officer of the institution a resurvey may be conducted. Adverse accreditation decisions may be appealed by the established processes.

Accreditation is withdrawn only after advance notice has been given to the director of the program that such action is contemplated, and the reasons therefore, sufficient to permit timely response and use of the established procedures for appeals and review.

Essentials and Guidelines of an Accredited Educational Program for the Medical Assistant

Essentials initially adopted 1969; revised 1971, 1977
Adopted by the
AMERICAN ASSOCIATION OF MEDICAL ASSISTANTS
AMERICAN MEDICAL ASSOCIATION

Guidelines approved 1977

Program Review Committee
CURRICULUM REVIEW BOARD

> *Essentials*, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
> Guidelines, explanatory documents which clarify the *Essentials*, are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials*.

PREAMBLE

PURPOSE

The American Medical Association (AMA) and the American Association of Medical Assistants (AAMA) cooperate in this program of accreditation to establish and maintain standards of appropriate quality for educational programs for the medical assistant and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*. These standards are to be used for the development and self-evaluation of medical assisting programs.

Lists of accredited programs are published for the information of employers and the public.

A list of "Accredited Educational Programs for Medical Assistants" is published annually and is available, upon request, from the AMA Executive Office. No differentiation is made on the list between those programs which have achieved accreditation and those which are accredited with qualification.

DESCRIPTION OF THE OCCUPATION

Medical assistants are broadly defined as individuals who assist physicians in their offices or other medical settings, performing those administrative and/or clinical duties delegated in relation to the degree of training and in accord with respective state laws governing such actions and activities. Medical assistants have a wide range of duties in many aspects of the physician's practice.

Their business-administrative duties include scheduling and receiving patients; obtaining patients' data, maintaining medical records; typing and medical transcription; handling telephone calls, correspondence, reports and manuscripts; and assuming responsibility for office care, insurance matters, office accounts, fees and collections.

Their clinical duties may include preparing the patient for examination, obtaining vital signs, taking medical histories, assisting with examinations and treatments, performing routine office laboratory procedures and electrocardiograms; sterilizing instruments and equipment for office procedures, and instructing patients in preparation for x-ray and laboratory examinations.

Both administrative and clinical duties involve purchasing and maintaining supplies and equipment. A medical assistant who is sufficiently qualified by education and/or experience may be responsible for personnel and office management.

OBJECTIVES

Graduates of accredited medical assisting programs are trained to work with and under the direction of physicians to provide quality health care services. Graduates should demonstrate an equal balance of administrative and clinical competencies in the basic subjects. These competencies are developed within the the training program from an initial foundation of basic science, communication and human relations skills.

The program includes thorough preparation and demonstrated understanding of the ethical and legal responsibilities of the medical assistant in the health care delivery system. Graduates will have validated their competencies to the employing medical community through supervised externship experience in both administrative and clinical skills.

REQUIREMENTS FOR ACCREDITATION

I. ELIGIBILITY REQUIREMENTS

Educational programs must be established at the post secondary level in institutions that are accredited to offer post-secondary education. These programs may be offered by:

A. Junior and community colleges
B. Senior colleges and universities
C. Vocational/technical schools and institutions
D. Proprietary educational institutions
E. Military-based schools

This does not preclude a postsecondary institution from housing all parts of the medical assisting program in other settings. The postsecondary institution must have complete control of all facets of the medical assisting program including admissions to the program, faculty, curriculum content, externships, finances, etc.

The institution shall hold, or have candidate status for, accreditation by an agency recognized by the US Office of Education, or be otherwise acceptable to the AMA and the AAMA. The institution must have the necessary clinical facilities and/or educational affiliations to provide required learning experiences for the student.

Educational programs in colleges or schools whose institutional accreditation or approval status is pending can qualify for the category "Accreditation with Qualifications," and will be so notified before the on-site for program accreditation. The school must have received institutional accreditation by a responsible agency within two years of the date of notification of approval of its program by the Committee on Allied Health Education and Accreditation (CAHEA) or show just cause why such accreditation has not been received.

Loss of institutional accreditation or denial of a pending application for such accreditation, shall result in a AAMA Curriculum Review Board recommendation to the Committee on Allied Health Education and Accreditation that accreditation should be withdrawn immediately.

II. STANDARDS OF ETHICAL PRACTICE

The medical assisting program must be conducted without discrimination on the basis of race, color, creed, sex, age, or ethnic origin. This principle applies to the selection of students, classroom and affiliation instructors and other staff members and to all aspects of the organization and administration of the medical assisting program. There shall be a published statement of the standards of ethical practice observed by the institution that sponsors the medical assisting program.

Since the large majority of medical assistants are women, they are usually shown in photographs illustrating the career and the feminine pronoun is used in documents and brochures. This is in no way intended to discourage qualified males who are interested in this challenging field.

III. FACILITIES

A. **General**—Classrooms, laboratories, and administrative offices shall be provided in accord with accepted educational standards, to meet the needs of the number of students enrolled.

The classrooms and laboratories should be adequate in size for the maximum number of students planned for the program. These rooms should have enough chairs with note taking arms or desks and chairs for each student. A sufficient number of classrooms should have the capability for the use of movie film, film strips, slides, overhead projection, and audio equipment. Private offices should be available where students can discuss problems in confidence.

There should be an area in which the students may relax and an area for use in quiet study. If uniforms are required for all or part of the course, it may be helpful to have lockers available.

B. **Laboratory**—Appropriate up-to-date equipment and supplies for directed experience shall be available in sufficient quantities for student participation.

There should be sufficient numbers of microscopes so that each student in a laboratory section can work independently. Clinical equipment needed would probably include the following: examining table with stirrups, scale-adult and baby, stethoscopes, sphygmomanometers, thermometers, scissors, various instruments for examinations and minor surgery; electrocardiograph, sterilizer, and autoclave. Disposable supplies should include cotton, cotton swabs, gauze bandages, tape, syringes and needles. There should be sufficient equipment, permanent and disposable, to perform urinalysis, simple routine blood tests, and specimen collection.

The equipment needed to teach administrative duties should include electric typewriters, adding machines, calculators, and transcribers. A teletrainer with pickup and hold equipment may be borrowed from the local telephone company or purchased. The cords on the teletrainer should be long enough to permit use between two rooms. If space allows, a mock reception room area and a mock examination room are useful for student practice.

C. **Library**—A library should be readily accessible and contain an adequate supply of up-to-date scientific books, periodicals, and other reference materials related to the curriculum.

Reference books should include up-to-date texts on general medical assisting, medical secretarial procedures, medical law, medical ethics, laboratory techniques, anatomy and physiology, medical terminology, and general secretarial procedures. Books on the history of medicine and other background material should be available. (See reference list issued by the AAMA Certifying Board.)

Periodicals suggested include The Professional Medical Assistant, Medical Economics, Current Medical Digest, Medical World News, Today's Secretary, Patient Care and Citation.

Annually, the program director should obtain from the library an updated list of holdings of central relevance to medical assisting and specify additional desirable acquisitions.

Quiet study areas either in the library or elsewhere should be available to the student.

D. **Audiovisual Resources**—Adequate, up-to-date non-print media and equipment, models, films and other teaching aids shall be available for classroom instruction.

Suggested aids may include a skeleton, Resusci-Annie, anatomical models charts, 16mm films, 35mm slides, film strips, and transparencies for overhead projection. (A list of films of interest to medical assisting students is available from the AAMA Executive Office.) Audio tapes can be helpful in teaching terminology.

Medical transcription should be taught using commercially-prepared tapes or belts; and for the advanced transcription student, actual dictation tapes or belts may be obtained from local physicians, and/or hospitals, with names or other identifying words altered.

A medical assisting program is encouraged to make creative use of learning resources available.

IV. EDUCATIONAL AFFILIATIONS

A. In programs where academic training and clinical experience are not provided in the same institution, accreditation shall be given to the institution responsible for the academic training (student selection; curriculum; and academic credit, etc.) The educational administrators shall be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

B. The externship is a period of experience with patients in selected physician's offices and health care facilities. During this experience, the student participates in a balanced practicum in both administrative and clinical work under the supervision and evaluation of qualified medical personnel and the general supervision and evaluation of the school staff.

The externship is the responsibility of the sponsoring academic institution. The externs shall serve without remuneration.

The terms "clinical experience" and "externship" are equivalent. An externship preferably should be served in the offices of family physicians and internists, as those practices provide the widest range of experiences for the medical assisting *student. The offices of surgeons, pediatricians, and obstetrician-gynecologists do offer good experience, depending on the individual physician and manner of practice. The externship should be served in the office of a physician who is fully licensed in the practice of medicine and surgery in all of its branches.*

The physician in the externship office must be cognizant of the responsibilities toward the education of the extern and be willing to devote time to assuring that the extern receives a broad exposure to all facets of the practice. The school should also assure that a competent medical assistant or other competent staff member in the externship office is capable of guiding, evaluating, and supervising the student in training within the office.

The director of the externship program should visit each externship facility prior to the placement of students to ascertain the appropriatness of the setting for an educational experience and to acquaint the supervising physician and staff with their responsibilities and with the extent of the student's training. A written letter of agreement helps to avoid misunderstandings.

If externships are served in part or in whole in a clinic, public health facility, or hospital, extreme care should be taken to ascertain that the student will be exposed to and able to practice both administrative and clinical techniques. It is also important to be sure that the facility's employees treat patients in a considerate and humane manner, for their attitudes will influence those of the students.

The medical assisting student should not receive any pay for the period of externship. This is a learning experience for the student and is as important as the time spent in the classroom. No student should be placed in an office in lieu of regular office personnel. The extern is not free help but is there to learn by observing and to practice under supervision.

Visits should be made to the facility by the director of externship training or by the instructor during the student's training to observe firsthand the student's progress and to solve any problems that may have arisen. Therefore, all externship facilities should be in the vicinity of the educational facility.

It is important to maintain good communication between the externship physicians and staff if the externship is to be a rewarding educational experience for the student. It is extremely helpful to the externship supervisor to receive written evaluations from the externship offices at least twice during the externship period—just before the midpoint and again at the end. This allows the instructor another opportunity to become aware of student weaknesses and allows time to counsel the student concerning these deficiencies. It is helpful, too, if a weekly seminar is held for the externing students.

Student evaluation of the externship experience is also a valuable tool for the program director in recognizing those offices which provide the students with broad experience in cooperative and harmonious settings.

V. FINANCES

A. Financial resources for continued operation of the educational program shall be assured.

B. The institution shall have a published tuition-refund policy which meets state and federal requirements.

Financial support is necessary not only for the salaries of administrative, supportive and instructional personnel but also for educational and office supplies and equipment; for staff travel to coordinate clinical instruction and to participate in educationally enriching activities of professional organizations; and for student activities.

Scholarships and grants-in-aid should be available to assist capable students who are in need to financial assistance.

The acquisition of gifts or endowments should not influence the acceptance of students for admission to the school, nor should such gifts or endowments be a determining factor in the selection of equipment used for training students.

The tuition-refund policy should not unduly penalize students who must drop out at the beginning of a program and/or semester or quarter because of a change of career objective or for personnel reasons such as illness or change of address.

VI. FACULTY

A. Instructional Staff

1. Director of Medical Assisting Program
   a. Qualifications: The education of the program director shall be in accordance with state and/or institutional educational standards. Within these or in addition thereto, newly appointed program directors shall hold an appropriate degree or be working toward such a degree from an accredited institution, shall have work experience in a physician's office or health care facility, and be certified by the American Association of Medical Assistants as a Certified Medical Assistant (CMA), or achieve this certification within two years of employment, or be otherwise acceptable to the AMA and to the AAMA.
   b. Responsibilities: In addition to other assigned responsibilities, the director of the educational program shall be responsible for the organization, administration, periodic review, continued development, and general effectiveness of the program. The teaching assignment of the director of the director must allow adequate time for administrative responsibilities.

The program director should have sufficient educational background to be cognizant of proper educational practices so as to ensure an integrated learning approach for the program. Experience in the medical assisting field is very desirable so that the program is structured practically.

Newly appointed directors are expected to have work experience in a physician's office or health care facility and posses a degree appropriate to their position or to be working toward such a degree from an accredited institution. Preferred degrees would include medical assisting or a bachelor's or master's degree in a biological science, education, educational administration, or an allied health discipline and nursing. Certification is a related allied health discipline is also desirable.

2. Instructors
   a. Teaching faculty members shall be qualified, through academic preparation and/or experience, to teach the subjects assigned and possess competency in teaching techniques.
   b. Institutions shall have an established policy that encourages continuing education in the field and assures on-going instruction for the faculty in curriculum design and teaching techniques.

The standard of faculty competency should be in line with that of the employing educational institution. The maintenance of standards should be the responsibility of the program director in consultation with the advisory committee and heads of departments from which instruction is provided.

The most important criteria are knowledge of the subject to be taught and ability to organize and present the subject in a meaningful way to the students. Instructors for medical assisting subjects may be selected according to their knowledge and ability as well as their academic credentials. Experience in a physician's office is an extremely valuable asset for a medical assisting instructor.

3. Number
   a. The number of institutional staff shall be commensurate with the most effective learning and teaching practices and shall be consistent with acceptable student-teacher ratios for educational programs for the allied health professions. There should be at least one medical assisting faculty member for each 25 students currently attending classes.

Class sizes can differ widely depending upon the instructional methodology employed. However, the school must be able to justify class size as conductive to effective student learning. The number of students for which any one instructor is responsible should never grow so large that the instructor becomes inaccessible to the student. The student must be able to maintain personal contact with instructors when needed. The class size established should be smaller in laboratory sessions than in the didactic portions of the program.

B. **Supportive Services**

1. Medical Advisor

   The medical advisor of the program shall be a currently licensed physician who can provide competent medical direction for general clinical instruction of a medical assisting program.

The medical advisor should be a physician from the community who is aware of the important role and function of the medical assistant in the health care system. The medical advisor should take an active role in program organization and development and meet with the advisory committee whenever possible.

2. Counseling

   Guidance and placement assistance shall be available to students.

The school should have resources to help a student, should a problem be beyond the experience and competency of the instructors and program director. Follow-up questionnaires sent to graduates at regular intervals following graduation and to the first employers of graduates are helpful in determining the relevancy of the curriculum content.

3. Advisory Committee

   An advisory committee should be appointed to assist the director in continuing program development and evaluation, in program coordination, and in coordinating effective externship relations. The advisory committee should meet on a regular basis, not less than twice a year. This committee should include qualified physician(s), a practicing medical assistant and a Certified Medical Assistant, if available. Faculty and other educational institution members are to be considered non-voting members. The advisory committee shall serve without remuneration.

The advisory committee should elect a chairman who is a voting member and should meet at least twice a year with minutes being kept on file. The committee should include physicians representing family practice and other specialities and medical assistants, both clinical and administrative. A medical assistant who is the manager of a large practice and has the responsibility of hiring and supervising personnel can be a valuable addition to the committee. A graduate of the program can be especially valuable in contributing suggestions for program improvement. While staff members meet with the advisory committee, they are not to be considered members of the committee.

VII. STUDENTS

A. **Selection**—Selection of students shall be made in accordance with the generally accepted practice of the institution. Students admitted to the medical assisting program must be high school graduates or have passed a state or nationally approved examination to determine high school equivalency.

Those on the admissions committee, or those responsible for admissions to the program if no formal committee exists, should enter students into the program only after having assurance that the applicant will have a reasonable chance for success in the program and that the applicant has an understanding of the program expectations and occupational definition.

Candidates for admission to the program should have an interview with the program director or the director's designee to determine as well as possible the suitability of the candidates for the program and the medical assisting career.

A copy of the student's high school transcript or a copy of the equivalency certificate should be a part of the student's permanent record.

B. **Health**—Applicants shall be required to submit evidence of good health including the results of a tuberculin screening test or chest film. Access to emergency health service shall be available. Students shall wear radiation badges whenever exposed to energized x-ray equipment, and the school shall be responsible for monitoring these badges.

After acceptance a standard health form should be used that would indicate that the applicant has had a complete physical examination, including a tuberculin screening test and a serology test. The form should include enough information about the course and career so that the examining physician can form an opinion as to whether or not a candidate's health might be an obstacle to successfully completing the course.

Radiation badges should be worn by students and staff members during the use of x-ray equipment in the program. If the student externs in a facility where exposure to x-ray radiation is possible, a radiation badge should be furnished with usage monitored by the school.

VIII. RECORDS

The following records shall be maintained and be available to review:

A. **Catalog**—An official publication including a description for the curriculum shall be issued at least once every two years. It shall include information regarding the organization of the program, a brief description of required courses, names and academic rank of faculty, entrance requirements, tuition and fees.

B. **Student**

1. Transcripts of high school and/or college credits and other credentials and admissions data shall be on file.
2. A medical examination including a serology test and a chest film or results of an approved tuberculin screening test shall be part of the admission record.

A negative tuberculin screening test result will be accepted in lieu of a chest x-ray and results should be kept on file.

3. The results of processed radiation badges worn by students during the use of x-ray equipment shall be in the institution's permanent records.

The recorded results of processing radiation badges worn by the students and staff during the use of x-ray equipment in the program should be in the institution's permanent records. Also, when the student externs in a facility where exposure to x-ray radiation is possible, a radiation badge furnished by the school should be worn and the results of its processing be monitored and retained in the institution's permanent files.

4. A record of class and laboratory participation and accomplishment of each student shall be maintained for each curricular component, in accordance with the requirements of the institution.

C. **Curriculum**—The institution and/or medical assisting department shall maintain on file:

1. A current copy of the complete curriculum, including the rotation of instructional assignments and lists of multi-media instructional aids used
2. Copies of course outlines, class schedules, externship records and teaching plans, including course objectives and competencies stated in terms of student performance

A copy of the complete curriculum, along with course outlines, class schedules, externship records and teaching plans, should be kept on file in a location that is easily accessible to faculty, administrators, and other interested parties (such as accreditation survey team) at all times. All course outlines should clearly identify objectives for student learning *and list those competencies to be performed by the student as a result of the learning experience. These outlines should exist for each curricular component as well as for the externship portion of the program.*

3. Copies of practical and written examination and periodic evaluations
4. An accurate record system of dates and location of externship experience of each student in the program
5. Permanent records shall be kept in hazard-proof areas

The record should include the name and address of the physician or health facility used, the dates of the externship, the type of practice, and the name of the student(s).

Physician (and/or staff) evaluation of student performance should be made at least twice during the externship period—at the midpoint and at the end. Student evaluation of the externship experience is also a valuable tool for the program director in recognizing those offices which provide the students with broad experience in a cooperative and harmonious setting. Student seminars are a useful means of discussing and finding solutions to students' problems encountered during the externship experience.

IX. CURRICULUM

A. The length of the basic medical assisting curriculum shall be a minimum of one academic year or equivalent. This basic curriculum may be included in a two-year program leading to an associate degree.

The education of the medical assistant should include all of the basic eight courses of study as will be listed in Section IX. D. It is also necessary that instruction include a balance in the administrative and clinical areas. (See Section IX. E.)

B. Instruction shall follow a planned outline in logical sequence which includes:
   1. Assignment of appropriate instructional materials
   2. Classroom presentations, discussions, and demonstrations
   3. Supervised practice of basic procedures
   4. Examinations, tests, and quizzes—both oral and written—for didactic and clinical aspects of the program
   5. Supervised externship as an integral part of the curriculum which is required for completion of the program (See Section IV.B)

C. Instruction shall be competency oriented. There shall be maintained on file with each curriculum component or unit of instruction, and with each plan of rotational externship, a reasonably comprehensive list of terminal performance objectives to be achieved by the student. These objectives must delineate achievement in all basic medical assisting curricula as identified below, and in curriculum documentation, measurement techniques, and records. The objectives will be based upon an acceptable list of task descriptors for medical assisting (appended hereto).

A Terminal Performance Objective (TPO) describes a specific task and the specific conditions and standards of its performance to be demonstrated by the student at a time when the training of the task is thought to be complete, i.e., "job-ready."

A well-defined performance objective contains at least the following:

A task statement describing the overt behavior by which the learned capability can be observed and measured. (The terms "know," "appreciate," and "understand," are not appropriate verbs because they are not observable and measurable.) Examples of measurable behaviors, as task statements, are: "Take blood pressure," "Transcribe correspondence," "Perform venipuncture."

A statement of the conditions and limitations imposed on performance. Conditions that affect performance should place a practical limit on the range of knowledge and skill the student is expected to demonstrate, list all tools/materials/apparatus needed to perform the task, and require that the student perform the task in a job-like environment or acceptable simulation.

A statement of the standards of performance expected of the student. Standards may range from the least desirable ("deemed proficient according to competent judgment") to the most desirable involving criteria of accuracy and time-to-perform or frequency ("ten WBCs in 40 minutes").

Sample Objectives:

The student will be able to perform venipunctures using the Vacutainer System, i.e.; sterile cotton, a tourniquet, Vacutainer Tube Adaptor, 5 c.c. Lavendar Stoppered Vacutainer Tube with EDTA, Vacutainer needle (18 gauge), and sterile alcohol swabs. Three patients must be identified correctly and drawn within 10 minutes without errors in identification or technique.

The student will be able to perform simple addition on a calculator, i.e., must set up the machine and add sets of five-digit numbers with decimals to three places without use of the instruction booklet. Ten problems, each with ten five-digit numbers, must be added within five minutes with no procedural or arithmetic errors.

TPOs should be prepared to reflect the scope, depth and quality of training achievement to be attained by the student in the program. TPOs should reflect an appropriate list of task descriptors. The selected list may be amplified within the program. There must be evidence that the TPOs are used. They must be reflected in curricula, student evaluation, and records; they must be on file for examination.

TPOs applicable to clinical settings should be provided to clinical supervisors and be reflected in the records of student clinical performance. Similarly, non-program didactic faculty (i.e., anatomy and physiology, psychology) should be provided with applicable TPOs to assure training conformity.

D. The basic medical assisting curriculum must include the following general courses or topics of study, didactic and clinical, in a manner sufficient to prepare a competent and versatile medical assistant, as described in these *Essentials:*
   1. Anatomy and physiology
   2. Medical terminology
   3. Medical law and ethics
   4. Psychology
   5. Communications (oral and written)
   6. Medical assisting administrative procedures, including:
      a. Office procedures
      b. Business correspondence and typing, with an exit speed sufficient for productive office performance
      c. Medical dictation and medical transcription
      d. Medical office management
      e. Bookkeeping and insurance
   7. Medical assistant clinical procedures, including:
      a. Examination room techniques
      b. Aseptic practices and techniques
      c. Care of equipment and supplies
      d. First aid and cardiopulmonary resuscitation
      e. Laboratory orientation
      f. Principles of pharmacology and drug administration
      g. Diagnostic machine orientation
   8. Externship

General courses or topics of study, didactic and clinical, shall include:

1. Anatomy and physiology: The student should have an elementary knowledge of the various systems of the body and principles of human physiology so that health problems of the patient and the physician's diagnosis and treatment may be understood. Therefore, this course should include the study of the basic structure and function of the human body including the skeletal, muscular, nervous, circulatory, digestive, respiratory, urinary, endocrine and reproductive systems. On completion of the course the student should be able to identify and define the basic structure of cells, tissue, organs and body systems; be able to describe the basic functioning process of each of the body systems; be able to apply the correct medical terminology to basic body structure and function; and be able to identify cause and effect of and types of the most common pathological conditions of each system.

2. Medical terminology: The student should have a knowledge of the basic structure of medical words, including prefixes, suffixes, roots, combination forms, and plurals. The course should include the study of pronunciation, spelling and definitions of medical terms. Upon completion of the course, the student should be able to build a professional vocabulary of medical words from Greek and Latin prefixes, suffixes, word roots and combining forms; be able to recognize medical words correctly; and be able to use a medical dictionary correctly and demonstrate correct pronunciation of medical terms. It may be desirable to teach the two courses, Anatomy and Physiology and Medical Terminology, concurrently as the two complement each other.
3. Medical law and ethics: The student should have a knowledge of the basic legal relationship of the physician and patient, i.e., the creation and termination of a contract, including implied and informed consent, professional liability, invasion of privacy, malpractice, tort liability, breach of contract, and the Medical Practice Acts. Emphasis should be given to professional attitudes and behavior and the fundamentals of meeting the special needs of patients so the student will recognize the medical assistant's legal relationship in regard to the physician's legal responsibilities in the practice of medicine.

   The student should also have a general knowledge and understanding of the types of medical practice (such as individual private practice and partnerships or other group practice including incorporation; and of the types of medical care (such as family practitioner, specialist, comprehensive care, and government medical care programs.)

   The student should be given a brief introduction to the history of medicine.

   Upon completion of the course, the student should be able to explain the various principles of medical ethics as they relate to the practice of medicine; be able to identify medical reports that are required by law, be able to demonstrate basic understanding of medical legal jurisprudence, i.e., contracts, malpractice and legal obligations; be able to identify the different types of medical practice; be able to identify the great men and women of medicine and their contributions in order to develop a kinship and pride in the medical profession, and be able to become a part of the health care team.
4. Psychology (human relations, patient contact, public relations): The student should study the fundamentals of psychology which involve normal growth and development, individual differences, emotions, motivations, frustrations and aspects of mental health. On completion of the course, the student should be able to utilize basic psychological principles in achieving a better self-understanding and social adaptability in order to interact properly with the physician-employer, co-workers, patients and the public.
5. Communication (oral and written): The student should be instructed in the proper fundamentals of listening, speaking, and telephone techniques, and of taking and writing medical histories and letters clearly and effectively. On completion of the course the student should be able to receive and deliver messages quickly and accurately; be able to take and record medical histories with competency and accurate perceptions; be able to compose and answer letters that are clear and tactful as well as correct in grammar; and be able to communicate with patients.
6. Medical assisting administrative procedures:
   a. Office procedures
   The student should be instructed in the fundamentals in patient reception, appointment scheduling, mail handling, record making/keeping and filing. On completion of the course, the student should be able to show proficiency in: scheduling appointments by telephone and in person; handling first, second and third class mail; and using different types of record making/keeping and filing systems.
   b. Business correspondence and typing
   The student should be instructed in the fundamentals of typing, knowledge of the typewriter, tabulation, setting up letters and reports and materials, (including from rough draft copy), statistical typing, and manuscripts and reports, on completion of the course the student should be able to show proficiency in typing, utilize correct business correspondence and forms, and be ready for medical dictation and typing. The recommended minimal exit speed is 50 wpm non-medical copy based on two five minute timed tests with no more than five errors.
   c. Medical dictation and medical transcription
   The student should be instructed in the fundamentals of machine transcription of medical dictation. The student should be instructed in typing medical reports, medical terminology, and medical correspondence and, upon completion of the course, demonstrate proficiency in the typing and the terminology involved in medical materials.
   d. Medical office management
   The student should be instructed in the fundamentals of office housekeeping, care of equipment, ordering supplies for office and laboratories, and office management practices. On completion of the course, the student should be able to demonstrate the ability to manage the office and the equipment; identify methods of stocking and ordering supplies; and utilize organizational and management techniques to give a professional atmosphere to the medical office.
   e. Bookkeeping and insurance
   The student should have a knowledge of the fundamentals of medical bookkeeping, including entering daily transactions, billing, collecting, banking procedures and preparing payroll and necessary government forms such as withholding, FICA, unemployment and state disability. The student should also develop a knowledge of private group and government insurance programs and the ability to complete the required forms. On completion of the course the student should be able to debit and credit accounts; and to identify the accounting cycle by journalizing, posting to the ledger, taking a trial balance, making a worksheet, preparing a financial statement, journalizing adjusting and closing entries, taking a post-closing trial balance, and ruling the ledger. In addition, the student should be able to demonstrate correct results on an adding machine, calculator or posting machine. The student should be able to identify and complete such standard insurance forms as hospital/medical/surgical forms, Workmen's Compensation, Liability, Loss of Time (sick benefits), Medicare, Medicaid, CHAMPUS, Blue Cross/Blue Shield, etc.
7. Medical assistant clinical procedures:
   a. Examination room techniques
   The student should have a knowledge of patient prepa-

ration, positioning, draping, taking and recording of vital signs, assisting the physician with examination, treatment and minor surgery; and caring for the examining room before and after patient care. On completion of the course the student should be able to demonstrate proper positioning and draping for different types of examinations and/or treatment; identify and demonstrate proper use and care of medical equipment used in taking temperature, pulse, respiration, and blood pressure; identify and demonstrate proper use and care of medical equipment used during physical examinations and minor surgery; accurately take and record vital signs, identifying normals; and demonstrate proficiency in assisting with a physical examination or minor surgery, and returning the examination and/or treatment room to its proper order.

b. *Aseptic practices and techniques*

The student should have a fundamental knowledge of microbiology including the methods of sanitation, asepsis, and sterilization. This should include techniques of autoclave use, as well as other types of sterilization, preparation of equipment for sterilization, handling sterile equipment, handwashing and gloving. Upon completion of the course, the student should be able to define terms related to asepsis, contamination, sterilization and disinfection, etc.; describe different types of sterilization and disinfectants and their proper use in control of infection; operate sterilization equipment safely and effectively; identify and apply principles of asepsis in handwashing, dressing and creating and maintaining a sterile field; demonstrate proper means of disposal of contaminated materials.

c. *Care of equipment and supplies*

The student should know how and when to order and store medical supplies; know how and when to order, store and inventory, and safely dispose of drugs; be able to identify medications that are regulated by the BNDD laws and records that must be kept; have a basic knowledge of how to operate medical equipment and how to care for it. Upon completion of the course, the student should demonstrate proficiency in ordering and storing sterile and non-sterile supplies; demonstrate proficiency in ordering, storing and disposing of drugs with expiration dates; and demonstrate proficiency in the caring for and operating of basic medical equipment and instruments.

d. *First aid and cardiopulmonary resuscitation*

The student should have a basic knowledge of what constitutes a medical emergency and how to cope with emergency situations, both real and imaginary, either by telephone or in the office. Upon completion of this portion of the course, the student should be able to demonstrate a mature judgement as to which situations constitute real emergencies. The student should be able to render first aid, including the administration of cardiopulmonary resuscitation; know how to seek assistance, as well as the ways and means of directing the patient; and be aware of the limitations of the medical assistants' role in such situations.

e. *Laboratory orientation*

The student should have a basic knowledge and understanding of the purpose, techniques and recording of laboratory procedures commonly performed in a physician's office. This should also include x-ray, physiotherapy, electrocardiography, and collection and/or preparation of specimens, such as urine, blood, biopsies, Pap smears, and cultures and their respective preservatives for deliverance to the proper laboratories. Upon completion of this course, the student should be able to demonstrate the use and care of a microscope; clean equipment and use sterile techniques when dealing with pathogenic micro-organisms; perform such tests that might be done in a physician's office such as urinalysis, gram stains, pregnancy tests, blood counts, sedimentation rates, etc.; and identify normals. Students should demonstrate proficiency in communicating proper preparation for all common laboratory tests and in identifying adverse factors affecting these tests.

f. *Principles of pharmacology and drug administration*

The student should also be able to: 1. identify basic drugs, their uses and effects on the body, 2. define and use correct abbreviations and terminology relating to drugs, 3. identify the different modes of drug administration and calculation of dosages, and 4. demonstrate a knowledge of the correct anatomical injection sites and techniques.

g. *Diagnostic machine orientation*

The student should also be able to communicate proper preparation for x-rays to the patient, identify safety hazards and precautionary measures relevant to x-ray equipment, and demonstrate knowledge of possession, care, and storing of the finished product. The student should also be able to demonstrate an understanding of the basic methods of patient preparation for electromedical therapy. The student should also be able to demonstrate proficiency in the methods of electrocardiography, including machine operation, techniques and mountings. The student should identify factors affecting the thyroid function test and instruct patient preparation.

8. *Externship: Externship is an integral part of the curriculum and must be scheduled prior to graduation. The student should have a review and rotation sequence of practical experience in offices of qualified physicians (preferably family practice, internal medicine, OB-GYN or general surgery) and accredited hospitals and clinics selected by the director of the curriculum. This important part of the student's total training should include an opportunity to perform various clinical and administrative procedures under supervision. There must be an equal balance of administrative and clinical experiences which are related to the prior didactic portion of the program. There must be an ongoing evaluation of the student's performance and these grades should be part of the student's permanent record. A minimum of 160 hours of externship is recommended.*

Listed above are the basic courses (1 through 8) which must be included in the education of all medical assisting students, whether enrolled in a general program or a specialty medical assistant program. The basic core subjects that are required for a two-year degree must be given design priority. Graduates of a two-year program may be expected to assume greater responsibility in the medical office; advanced work in basic sciences, medical transcription and supervisory/management skills should be offered. Electives that would qualify a student to meet the needs of a special community situation may include such subjects as medical shorthand or computer applications.

A standard curriculum, which would apply to all circumstances, is impossible to present. However, the preceding examples are offered to assist those preparing the curriculum for a new program or modifying an existing program.

E. The curriculum shall produce graduates who have equal balance in administrative and clinical competencies.

Balance between "administrative" and "clinical" emphasis in the curriculum is judged adequate when the curriculum offers sufficient skill and knowledge acquisition so as to assure that the graduate will be prepared for national mobility in job opportunities as well as broadly prepared for the wide variations in medical practice settings. In this regard, a curriculum is judged to be adequately balanced when each of the learning *areas identified in the* Essentials *is offered to students, and reasonable competency in each, is demonstrable by said students for each of the instructional areas identified in the* Essentials. *A unit of instruction may stand alone (as a "course"), occur as a module, or be integrated with other subject matters. In any event, the burden of demonstration of compliance rests with the program to identify clearly the curricular emphasis for each area of instruction as outlined in the Essentials.*

X. STATUS REPORTS

A. **Annual Report**

An Annual Report shall be made by the institution to the AMA and the American Association of Medical Assistants. A report form provided by AMA shall be completed, signed by the director of the educational program and returned promptly.

B. **Change of Faculty**

If the director, the medical advisor, or instructional staff of the medical assisting program is changed, immediate notification shall be sent to the AMA Department of Allied Health Evaluation. The curriculum vitae of the new staff member, giving details of training, education, and experience in the field, must be submitted.

C. **Change of Curriculum**

The Curriculum Review Board of the AAMA must be notified of any substantial changes in curricular content, sequence, or teaching methods.

Notification of change in curriculum should be accompanied by appropriate course outlines and teaching plans.

ADMINISTRATION OF ACCREDITATION

A. **Application**—The evaluation (including survey team visits) of an educational program can be initiated only at the express invitation of the chief administrator of the sponsoring institution or an officially designated representative. (This is embodied in the filing of an official application). Institutions may request that survey team visits be scheduled to coincide with evaluations of other health programs and/or accrediting bodies. The institution is responsible for keeping students informed as to the current accreditation status of the program.

The Committee on Allied Health Education and Accreditation has approved the assessment of limited fees from institutions sponsoring allied health programs, to help defray the costs of accreditation.

The sponsoring organizations (the American Medical Association and the American Association of Medical Assistants) contribute the major portion of the funds required to carry out the accrediting process. Neither the Curriculum Review Board members nor survey teams receive honoraria. They donate their time and effort toward the advancement of allied health education. There are two fees involved in accreditation.

A $300 Survey fee is payable prior to survey (for initial or resurvey)

A $200 Program Service Fee is payable annually.

B. **Review**—The head of the institution being evaluated is given the opportunity to review the factual part of the report prepared by the visiting survey team, and to comment on its factual accuracy before final action is taken.

C. **Appeal**—Accreditation decisions may be appealed by letter to the Committee on Allied Health Education and Accreditation.

D. **Length**—Accreditation will be granted for a minimum of 2 and a maximum of 5 years; resurvey will be conducted within the specified period at the discretion of the accrediting agency.

E. **Withdrawal**—The institution may withdraw its application for initial accreditation at any time (even after evaluation) prior to final action. The institution may request that its accredited program be withdrawn from the published list at any time.

F. **Revocation**—The Committee on Allied Health Education and Accreditation may withdraw accreditation when the following conditions prevail:

1. The educational program is not in substantial compliance with these *Essentials,* or
2. There are no students in the program for thirteen consecutive months. Accreditation is revoked only after notice has been given to the head of the institution that such action is contemplated, and the reason therefore, sufficient to permit timely response and the use of the established procedures for appeal and review. Accreditation may not be revoked without giving the institution the opportunity for an on-site visit and hearing.

G. **Application and Inquiries**

1. Accreditation—Application for accreditation of a program should be made to:

   Department of Allied Health Evaluation
   American Medical Association
   535 N Dearborn St
   Chicago, IL 60610

2. Career and Certification—Inquiries should be addressed to:

   American Association of Medical Assistants
   One E Wacker Dr
   Chicago, IL 60601

Essentials of an Accredited Educational Program for the Medical Assistant in Pediatrics

Adopted 1972 by the
AMERICAN ACADEMY OF PEDIATRICS
AMERICAN ASSOCIATION OF MEDICAL ASSISTANTS
AMERICAN MEDICAL ASSOCIATION

Program Review Committee
CURRICULUM REVIEW BOARD

PREAMBLE

OBJECTIVE

The education and health professions cooperate in this program to establish and maintain standards of appropriate quality for educational programs for the medical assistant in pediatrics, and to provide recognition for educational programs which meet or exceed the minimal standards in these *Essentials*.

These standards are to be used as a guide for the development and self-evaluation of programs for the medical assistant in pediatrics. Since this type of allied health worker is a medical assistant with specialized training in pediatrics, these *Essentials* incorporate the basic elements of and build upon the "*Essentials* of an Approved Educational Program for Medical Assistants" revised by the AMA House of Delegates in June 1971.

Survey teams report on site visits, and lists of the accredited programs are published for the information of employers and the public. Students are taught to work with and under the direction of pediatricians in providing health care services to patients. The educational program is planned to meet the specific needs of the students and to assist them to develop the conduct and attitudes expected of them as future members of the child health care team.

DESCRIPTION OF THE OCCUPATION

Medical assistants in pediatrics are allied health workers who have been educated primarily to work in child health facilities. As a member of the pediatric health care team, the medical assistant in pediatrics is prepared to perform a broad range of general administrative and clinical functions delegated by and under the supervision of the pediatrician. With additional studies and training in the clinical aspects of child health care, the medical assistant in pediatrics is prepared to perform a variety of specialized clinical tasks in providing health care for the pediatric population. Medical assistants in pediatrics are employed primarily by pediatricians in solo or group practice but their services also may be utilized in well baby clinics, child care centers, community and neighborhood health centers, and other ambulatory child health care facilities supervised by a physician.

Local practice and staffing patterns determine the utilization of medical assistants in pediatrics. Generally, their functions can be divided into the following categories:

1. *Administrative.* Perform clerical skills and procedures essential in a medical office setting.
2. *Technical.* Accumulate health and medical data; administer and interpret specific screening and diagnostic tests; recognize acute illnesses; administer specified medications and biologicals; maintain supplies and equipment within the practice setting.
3. *Communications.* Establish and maintain a continuing relationship with the pediatric patient and family; act as liaison between the physician and the patient in carrying out the physician's orders; guide and support the patient and family, under the direction and supervision of the physician.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Junior and community colleges
B. Senior colleges and universities
C. Vocational/technical schools and institutions
D. Proprietary educational institutions
E. Military-based schools

The institution should be accredited or otherwise acceptable to the Committee on Allied Health Education and Accreditation (CAHEA), the American Academy of Pediatrics, and the American Association of Medical Assistants. The institution must have the necessary clinical facilities and/or affiliations.

General Policy

The controlling institution should determine general policy and provide the necessary resources for the entire program. Administrative and educational policies should reflect the philosophy and the objectives of the program, be clearly defined, and be made known to the clinical advisory consultant and faculty members. The controlling institution should have responsibility for the total program from the time of student recruitment and enrollment through graduation. The program director and instructors should be delegated the authority necessary for developing and implementing the program to meet the stated objectives.

II. CLINICAL AFFILIATIONS

A. In programs where academic training and clinical experience are not provided in the same institution, accreditation shall be given to the institution responsible for the academic training (student selection, curriculum, and academic credit, etc.). The educational administrators shall be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

B. The clinical facilities should include pediatricians' offices, offices of a pediatric group, or a pediatric department within an appropriately licensed and/or approved hospital designated as the primary clinical teaching unit for demonstration, student observation and supervised practice experience. As necessary, additional pediatric facilities may be used. Each facility utilized should be located in an institution or agency staffed with sufficient qualified, experienced pediatric personnel under the direction of a pediatrician whose qualifications are acceptable to the collaborating organizations.

III. FACILITIES

General

Adequate classrooms, laboratories, and administrative offices should be provided in accord with accepted educational standards.

Laboratory

Appropriate equipment and supplies for directed experience should be available in sufficient quantities for student participation.

Library

A library should be readily accessible and should contain an adequate supply of up-to-date scientific books, periodicals, and other reference materials related to the curriculum.

Audiovisual

Adequate, up-to-date, multimedia and audiovisual equipment, models, films and other teaching aids should be available for classroom instruction.

IV. FINANCES

A. Financial resources for continued operation of the educational program shall be assured through regular income.

B. The institution shall not charge excessive student fees.

C. Advertising must be appropriate to an educational institution.

V. FACULTY

Director of the Educational Program

1. *Qualifications.* The education of the program director shall be in accordance with state educational standards but preferably augmented by experience as a nurse or medical assistant in a pediatrician's office. The program director should have experience in teaching and skill in the field of child health care.
2. *Responsibilities.* In addition to other assigned responsibilities, the director of the educational program should be responsible for the organization, administration, periodic review, continued development, and general effectiveness of the program.

Clinical Advisory Consultant

1. *Qualifications.* Each educational program for the medical assistant in pediatrics should have a clinical advisory consultant who holds a medical degree and has had three years' experience in general pediatric practice, or has had other appropriate educational qualifications and experience satisfactory to the collaborating accrediting bodies.
2. *Responsibilities.* The clinical advisory consultant will confer with the controlling institution in matters relative to organization and administration of the program for medical assistant in pediatrics and periodically review and evaluate the general effectiveness of the program.

In carrying out these functions, the clinical advisory consultant will be guided by the standards set forth in these *Essentials* and by the established policies of the institution or institutions concerned.

The consultant should also be responsible for clinical relationships with other allied health educational programs and should develop the understanding and support of practicing physicians.

Change of Director

If the director of the educational program or the clinical advisory consultant of a program is changed, immediate notification should be sent to the AMA Department of Allied Health Evaluation. The *curriculum vitae* of the new director, giving the details of training, education, and experience in the field, must be submitted.

Instructional Staff

Teaching faculty members should be qualified, through academic and clinical preparation and/or experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

Advisory Committee

An advisory committee should be established to help guide the development and implementation of the program. Committee members should be representative of various interests but selected for the unique contributions they can make to the program. It is suggested that the membership include at least one pediatrician. The clinical advisory consultant and the program director should serve as ex-officio members. The purposes and functions of this committee are advisory, not policy-making; its primary role is to serve as a liaison group between the program and the community. Policies governing the advisory committee should be stated in writing and include criteria for the selection of members.

VI. STUDENTS

Selection

Selection of students should be made in accordance with the generally accepted practice of the institution. Selection of students for the medical assisting program should be made by an admissions committee in cooperation with those responsible for the educational program.

Candidates for admission must be high school graduates or have passed a standard equivalency test or college entrance examination. A background in social and biological or natural sciences is recommended.

Typing skills with a proficiency of 35 words per minute are desirable. High school courses in English, mathematics, natural sciences, foreign language and electives are recommended. A pre-entrance examination of candidates is also recommended.

Graduates of recognized programs in other allied health professions should be given appropriate credits for courses already completed. It is also recommended that certified medical assistants be given appropriate credit for such certification upon admission to the program.

Admissions data should be on file at all times in institutions sponsoring the program.

Health

Applicants shall be required to submit evidence of good health and appropriate immunizations. A student health service should be available for evaluation and maintenance of the students' health.

Number

The number of students enrolled in each class should be commensurate with the most effective learning and teaching practices and should also be consistent with acceptable student-teacher ratios.

Counseling

A student guidance and placement service should be available.

VII. RECORDS

Satisfactory records should be provided for all work accomplished by the student in the training program. Monthly and annual reports of the work of the department should be prepared and available for review.

Student

1. Transcripts of high school and any college credits and other credentials must be available.
2. A report of medical examination upon admission and record of any subsequent illness should be retained. A report of medical examination, including a tuberculin test and/or chest film, should be kept on record.
3. A record of class and laboratory participation and accomplishment of each student should be maintained in accordance with the requirements of the institution.
4. Attendance must be suitably recorded.
5. Copies of practical and written examinations should be maintained and evaluated periodically.

Curriculum

1. A copy of the complete curriculum should be kept on file.
2. Copies of course outlines, class schedules, directed experience, and teaching plans should be on file and available for review.

Clinical Experiences

1. An accurate record system of dates and location of clinical experiences should be provided.
2. A satisfactory method of evaluating these clinical experiences should be maintained.

VIII. CURRICULUM

A. The course of instruction should be two academic years or equivalent.

B. Instruction should follow a planned outline which includes:

1. Assignments of appropriate instructional materials.
2. Classroom presentations, discussions, and demonstration.
3. Supervised practice of basic procedures.
4. Examinations, tests and quizzes—both oral and written—for didactic and clinical aspects of the program.
5. Supervised clinical experiences under competent medical direction. These experiences shall be without remuneration.

C. The program must include the basic core of courses for medical assistants, namely:

1. Anatomy and physiology
2. Medical terminology
3. Medical law and ethics
4. Psychology
5. Communications (oral and written)
6. Medical assistant administrative procedures
7. Bookkeeping and insurance
8. Medical assistant clinical procedures
9. Supervised clinical experiences or externship

D. In addition, the following general subject areas should be included:

1. Growth and development of infants and children. Growth processes, including normal anatomic, physiologic, metabolic and nutritional growth; developmental maturation from fetus through adolescence; dynamics of family life and social-cultural influences on child health and development.

2. Infectious diseases and immunization procedures. Knowledge of the usual childhood infections, including bacterial, viral, rickettsial and mycotic diseases; general concepts of diagnosis and management of children's diseases; immunization, its merits and limitations; concepts of allergy, bodily defense mechanisms, and immunology.

3. Acute and chronic childhood conditions. Common diseases and conditions afflicting infants and children, including newborn, congenital anomalies, accidents and other emergencies, and abnormalities; and a general knowledge of appropriate drug therapy.

4. Clinical experience. Practical experience in pediatricians' offices, child health clinics, pediatric outpatient facilities, or other appropriate clinical settings under competent pediatric supervision; and utilization of health resources in the community.

These courses should be covered sufficiently to enable the graduate, under supervision, to assist the physician in the provision of health care to children by: gathering and transmitting data; performing developmental, auditory and visual-screening tests; evaluating and managing emergency situations on a temporary basis; identifying types of childhood illnesses by general category; and administering specified medications.

E. The curriculum should be designed to assure that students develop an appreciation of their working relationships with other health personnel. They should acquire an understanding of the contents of pediatric practice and of the ethical and legal principles governing all medical practice.

The curriculum should provide opportunities for students to apply theory to practice through correlated and supervised instruction in clinical practice areas. The content of clinical instruction should give evidence that the basic scientific principles and concepts selected for learning experiences have been identified and incorporated into the curriculum. Activities should include field assignments, case studies and similar educational designs to enhance the application of previous and ongoing learning.

In each clinical practice area, faculty members of the program will be responsible for the supervision of student learning experiences. These experiences should be selected by the faculty, under the general guidance of the program director and the clinical advisory consultant, and in cooperation with appropriate personnel in the clinical agencies.

The ratio of faculty members to students should be higher in the clinical area than in the classroom. Student needs should be interpreted to the service personnel of the cooperating agencies, and students should be helped to develop an awareness of the requirements of the clinical practice area.

In selecting learning experiences in clinical settings the focus should be on student needs; the service rendered to the cooperating clinical agency is incidental to the learning process. The selected scientific facts and concepts should be limited to those that are essential as a basis for child health care.

IX. ADMINISTRATION

Catalog

An official publication including a description of the curriculum should be issued at least biennially. It should include information regarding the organization of the program, a brief description of required courses, names and academic rank of faculty, entrance requirements, tuition and fees, and information concerning physicians' offices and other facilities used for clinical experiences.

Accreditation

The evaluation (including survey team visits) of an institution or educational program can be initiated only by the express invitation of the chief administrator of the sponsoring institution or an officially designated representative. (This is embodied in the filing of an official application.)

Withdrawal

The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation in cooperation with the American Academy of Pediatrics and the American Association of Medical Assistants may withdraw accreditation when the following conditions prevail:

1. The educational program is not maintained in accordance with standards outlined above, or
2. There are no students in the program for two consecutive years.

Accreditation is revoked only after advance notice has been given to the head of the institution that such action is contemplated, and the reason therefore, sufficient to permit timely response and the use of established procedures for appeal and review.

Reevaluation

1. Review. The head of the institution being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the visiting survey team, and to comment on its accuracy before final action is taken.

2. Appeal. At the request of the head of the institution, a resurvey may be made. Accreditation decisions may be appealed by letter to the Committee on Allied Health Education and Accreditation.

Reports

An Annual Report should be made by the institution to the American Medical Association, the American Academy of Pediatrics, and the American Association of Medical Assistants. A report form is provided, which should be completed, signed by the director of the educational program, and returned promptly.

Resurvey

The American Medical Association in collaboration with the American Academy of Pediatrics and the American Association of Medical Assistants will periodically resurvey educational programs for consultation and reevaluation.

APPLICATIONS AND INQUIRIES

Accreditation

Application for accreditation of a program should be made to:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

Careers

Information regarding careers and certification may be obtained by writing:

Office of Allied Health Manpower
American Academy of Pediatrics
PO Box 1034
Evanston, IL 60204

or to:

Certifying Board
American Association of Medical Assistants
One E Wacker Dr, Suite 2110
Chicago, IL 60601.

7

Essentials and Guidelines of an Accredited Educational Program for the Medical Laboratory Technician *(Associate Degree)*

Essentials initially adopted in 1971; revised 1977
Adopted by the
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
AMERICAN MEDICAL ASSOCIATION
In collaboration with the
AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS
AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY

Guidelines approved 1977

Program Review Committees
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
with the
REVIEW COMMITTEE FOR MEDICAL LABORATORY TECHNICIAN *(ASSOCIATE DEGREE)*

Essentials, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
Guidelines, explanatory documents which clarify the *Essentials*, are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials*.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

1. An accredited associate degree medical laboratory technician program shall be conducted by a regionally accredited junior or community college, technical institute, college or university legally empowered to confer an associate degree. After successfully completing all standard academic requirements established for this program by the degree granting institutions, the graduate must be entitled to the associate degree.
2. Accreditation is granted to the educational institution which is responsible for curriculum content, coordination of instruction, maintenance of standards, evaluation of students and supervision of clinical experience.

   The educational institution may collaborate with accredited hospitals or other appropriate laboratory facilities to provide students with clinical experience.

   Close cooperation between affiliated facilities should be documented with appropriate affiliation agreements which define the rights and responsibilities of the educational program, the affiliated facility and the student.

   Evidence of coordinated academic supervision, curriculum development and supervision between clinical and academic faculty will be required.

   a. T[illegible] following types of documents will be considered acceptable as evidence of cooperative curriculum development and supervision:
      1. Minutes, reports, or summaries of official meetings between the academic institution and clinical facilities; and/or
      2. Copies of pertinent coorespondence between representatives of academic and clinical institutions

   b. Affiliation agreements between community colleges and their clinical affiliates should address at least the following components:
      1. Supervision of the clinical instruction in the clinical facility
      2. Number of students to be assigned
      3. Financial agreements between institutions
      4. Student health policies
      5. Criteria and procedures for reciprocal faculty and staff appointments
      6. Provision for control of the quality of instruction as the responsibility of the accredited program
      7. The schedule for meetings between instructional staff of the institutions each year
      8. A statement providing for periodic review of the affiliation agreement
3. Validation of attainment of clinical laboratory skills expected of graduates upon job entry shall be required from graduates and amployers.
4. If accreditation is requested for more than one medical laboratory science program, evidence must be given that each program is conducted at the appropriate level without compromising the other.

a. Consideration may be given by NAACLS to applicant educational institutions for more than one general program if the following minimal criteria are met:
  1. Educational programs are structured separately at the appropriate levels
  2. An appropriate faculty is available for each program
  3. Instructional materials, classroom and laboratory space and clinical experiences are available to accomodate both programs

b. Clinical medical laboratories involved in other general laboratory educational programs may be used as affiliated clinical sites for college based medical laboratory technician programs if these minimal criteria are met:
  1. The clinical facilty has 500 or more beds, 15,000 or more discharges per year, or laboratory services performing equivalent in volume and variety of determinations
  2. Separation of instruction of the different levels of students
  3. Appropriate educational objectives for the different levels of students

c. Programs such as those in cytotechnology, histology, specialist blood banking, clinical chemistry, microbiology, hematology, and public health are considered special programs and not necessarily subject to the above criteria.

5. Resources for continued operation of the program shall be assured through an approved budget.

6. The clinical laboratory facilities used for instructional purposes shall be under the supervision of a qualified pathologist and medical technologist. These individuals must be involved in the program's development, operation, and on-going review.
  a. Qualification for the pathologist may include certification in clinical pathology by the American Board of Pathology, or formal residency training in clinical pathology. Documentation is continuing broad education in laboratory medicine should be maintained.
  b. A qualified medical technologist is one who is certified by a recognized certifying agency or has education and experience acceptable to NAACLS and the Committee on Allied Health Education and Accreditation (CAHEA).

II. PROGRAM RESOURCES

7. Facilities and equipment sufficient to support quality instruction shall be provided on campus and at all affilated laboratories.
  a. Classroom and teaching laboratories should be equipped with materials, supplies and instruments which are suited to teaching the principles and procedures of basic clinical laboratory techniques, instrumentation and problem solving at the appropriate level.
  b. Equipment and supplies in the affiliated clinical laboratories should be sufficient for the personnel and students in relationship to the number and variety of tests performed.
  c. Classroom space in the affiliate laboratories is desirable and should be available when needed.
  d. Demonstration material should be available in the educational institution and/or affiliated clinical laboratory depending upon where the particular subject is taught. For example, a wide range of the following should be included:
    1. Normal and abnormal peripheral blood and bone marrow specimens
    2. Specimens of parasites, ova, and stained preparations of parasites
    3. Normal and abnormal microscopic urine sediments
    4. Stock cultures for bacteriology and mycology
    5. Normal and abnormal sera for immunohematology
  e. Multimedia instructional material may include the usual range of hard- and soft-ware.
  f. Case-study materials which demonstrate various disease processes and support understanding of patient's problems should be utilized.

8. The educational program must afford the student with a balanced distribution of clinical laboratory material. These resources need not be in one institution but can be the sum of two or more laboratory facilities.
  a. Sufficient space and clinical material may be equivalent to that normally provided by a general acute-care hospital of 250 beds and 7,500 annual discharges.
  b. Equipment should include sufficient amount and variety of non-automated equipment that students may use for learning experience independent of the service work of the laboratory. Current automated and/or semi-automated instruments should be available for student learning experience and practice.
  c. In cases where more than one institution is utilized, it must be documented that all students participate in equivalent clinical learning experiences.

9. A library containing current reference material, texts and scientific periodicals pertaining to laboratory medicine must be readily accessible to students and faculty.
  "Current" is defined as copyrighted within the last five years.

10. Satisfactory records must be kept by the affiliated clinical laboratories. These shall include:
  A. Monthly and yearly tabulation of the range and volume of work performed in the affiliated clinical laboratory. These must be maintained and provided to NAACLS when requested as evidence of adequate clinical material for an educational program.
  B. Records of performance of the affiliated clinical laboratory on both internal and external quality control programs. This information must be available at the time of each subsequent survey.
  C. A list of budgeted positions for personnel by category in the clinical laboratory facilities. This list must be submitted with initial application and resurvey application. Positions not filled at the time must be specified.

11. Facilities in the educational institution and affiliated clinical laboratories will be approved for a specific number of students which must not be exceeded without prior approval by CAHEA. Student capacity should also be based on the availability of adequate instructional staff in both the educational institution and affiliated laboratory. Medical laboratory staff must be sufficient to accomplish both teaching and the primary function of service to patients.

  While the student/instructor ratio in the medical laboratory techniques courses should not exceed 20:1, a more favorable ratio is preferred.

12. To seek an increase in the approved capacity, a request must be made to the Committee on Allied Health Education and Accreditation through NAACLS and must include a summary of the increased resources available to justify the increased enrollment with reference to faculty, equipment, classroom, laboratory space, and additional affiliated clinical laboratory sites or other clinical laboratory instructional systems. The following data concerning newly affiliated clinical laboratories must include:

12 A. The last annual statistical report of laboratory proce-

dures listing the types and numbers of test procedures by laboratory section.

B. A complete list of all technical laboratory personnel with qualifications and years of experience for each. Teaching responsibilities (as fulltime equivalents) and shifts involved should be listed. If the number exceeds 20, only those involved in the educational program and the numbers of personnel in each category should be listed.

C. A list of all major items of equipment.

D. The net clinical laboratory space available in square feet (excluding anatomical pathology and cytology areas).

III. FACULTY

13. Educational institutions conducting a medical laboratory technician program must establish the following functional positions and staff them with qualified individuals.

A. *Education Coordinator:* The education coordinator shall be a qualified medical technologist who has had education and experience acceptable to CAHEA, possesses a baccalaureate degree and has had at least three years of laboratory experience including one year of teaching.

Duties of the education coordinator include participation in didactic instruction; preparation of scheduled assignments in the clinical laboratory, program objectives, admission policies and evaluation procedures; participation in recruitment, recordkeeping and liaison with teaching personnel in the affiliated medical laboratories. Teaching assignments should be scheduled to allow adequate time for coordination of responsibilities.

B. *Program Director:* The program director shall meet the standards required by the educational institution responsible for overall program administration including budget preparation, faculty recruitment, evaluation, and liaison with other segments and officers of the institution. The program director shall be responsible for the general supervision and coordination of the entire program including all instruction in the affiliated medical laboratories. Day to day administration and supervision of the program, however, routinely may be delegated to the education coordinator. The program director may also function as education coordinator if she or he possesses the appropriate qualifications.

C. *Medical Director(s):* The medical director must be a graduate in medicine who is qualified in clinical pathology and is acceptable to CAHEA.

The medical director(s) must participate actively and significantly in the program. Their primary responsibility shall be to attest to the correlation of the clinical significance of medical laboratory procedures for the student.

The medical director, along with all other involved faculty and administrators, must participate significantly in the establishment, operation, review and evaluation of the program. While the medical director should have an appointment on the educational institution's faculty with an appropriate title, both the education coordinator and program director must be employed as college faculty and/or administrative staff members. If there is more than one program official, any division of duties must be clearly established in writing.

Educational institutions conducting medical laboratory technician programs may establish the following functional position(s) and staff them with qualified individuals:

1. Faculty (college staff): The faculty teaching medical laboratory science courses shall possess appropriate qualifications for the respective laboratory specialties taught in addition to such other qualifications required by the educational institution.

2. Clinical Coordinator: The clinical coordinator shall be a certified medical technologist, or have education and experience acceptable to CAHEA, possess a baccalaureate degree and have at least three years of laboratory experience including one year of teaching. The clinical coordinator is based in the clinical facility and might be the chief technologist or his designee and is responsible to the education coordinator of the college. He is responsible for liaison between the clinical facility and the college. He should be involved in curriculum development, student rotation assignments, program development and student evaluation. He should have an appointment to the faculty of the institution with which affiliated.

3. Clinical Instructor: The clinical instructor who is employed by the clinical facility shall possess appropriate qualifications to offer instruction in a particular laboratory specialty. Clinical instructors should be consulted with and informed about programmatic developments and should receive appropriate recognition for their efforts from the educational institution.

Accepted credentials include: At least a baccalaureate degree in medical technology or one of the physical or biological sciences, certification as a specialist, or demonstration of equivalency by examination and two years of acceptable experience in a medical laboratory.

Certified medical laboratory technicians may function in clinical instruction under the supervision of the clinical coordinator with approval of the education coordinator.

14. There shall be a formal joint meeting of the faculty of the educational institution with the instructors from each clinical facility at least once each academic year for exchange of information, views, and better coordination of the program. Minutes of such meetings shall be kept. Continuing informal interchange of views between the two groups is encouraged.

15. Directors and education coordinators must document participation in courses in education and/or continuing education programs which are acceptable to CAHEA and have been shown to provide adequate and appropriate training in the area of curriculum design and teaching techniques. Teaching faculty members shall be qualified to teach the subjects assigned.

The faculty must have adequate and appropriate training in the areas of curriculum design and teaching techniques. A planned program for continuing education, including educational methodology, for institutional faculty and all instructors in the clinical area must be provided.

16. Criteria for employment of faculty must not be based on age, religion, race, color, national origin, or sex.

IV. STUDENTS

17. Applicants for the medical laboratory technician program must meet the admission requirements established by the sponsoring educational institution. Arrangements shall be available whereby student credits can be accepted from other allied medical programs. Alternatively, those responsible for admission to the programs are encouraged to make arrangements to accept students with advanced

standing on the basis of transfer credits or of equivalency examinations but not on the basis of experience alone. Documentation of such arrangements must also be a part of the student records.

Institutions should recognize their responsibility to provide advanced educational opportunity to those individuals who have rising aspirations and who have demonstrated interest and ability in occupational or technical junior/community college programs. They should consider each applicant as an individual in making assessments for admission and transfer of credit. Credits earned in technical courses in non-associate-degree programs should be applied in terms of equivalent demonstrated achievement. Recognition of such achievement may be through granting advanced standing, or through standard equivalency examinations covering content of course work offered in the major field. The number of hours of credit and course(s) for which advanced standing or equivalency achievement are granted should be recorded on the student's official transcript.

18. Criteria for selection of students must not be based on age, religion, race, color, national origin, or sex.
19. Applicants for admission shall be required to furnish evidence of good health in accordance with the usual practice of the educational institution.
20. Health care and hospitalization shall be available to the student.

Every precaution should be taken to prevent any health hazard in the laboratory.

The health services of the college and hospitals should be available to the student. Emergency health care should be provided.

Hospitalization for a reasonable time should be made available by the hospital or college student health service either directly or through hospitalization insurance.

21. Appropriate records of student performance must be maintained.

The student's file should contain:

a. A completed application form
b. Copy of the official college transcripts
c. Record of excused and unexcused absences
d. Evaluations based on appropriate written, practical and oral examinations covering all types of structured learning experiences

NOTE: Federal and some state laws require that student files be open to the student on request of the student, and that the release of information is prohibited except with written consent of the student. Federal and state privacy laws should be reviewed for detailed requirements.

Student records should be maintained for a reasonable period of time, e.g., up to 10 years, and should conform to any state laws' requirements. Ideally, the records should be maintained permanently in original form or microfilmed.

22. Students in the medical laboratory technician program must not be used as substitutes for, or replacements of, paid laboratory personnel.

Students can be awarded a scholarship, but should not be expected to work in return for this. If they are paid for any work, this should be for work outside normal classroom hours, and they should not be allowed to work excessive hours, to the detriment of their educational program.

Stipends are to be discouraged as they tend to imply that service is rendered.

It is highly recommended that after demonstrating proficiency in laboratory procedures, students be permitted to perform some of the daily tests under careful supervision to develop speed, confidence and ability to organize and work efficiently under pressure. This should never be required, however, to supplement an inadequate technical staff.

23. The clinical laboratory staff must be adequate to accomplish the work of the department without depending on the assistance of students.
24. The students must perform tests in the clinical laboratory only with competent and adequate supervision.
25. Evidence proving the exploitation of students shall result in the removal or withholding of program accreditation.

V. CURRICULUM

26. Occupational competence of the medical laboratory technician must be the prime objective of the total program and the curriculum must be planned in light of this. The requirements of regulatory or certifying bodies shall be used only as baselines for curriculum planning and not as maximum expectations, nor shall results of certifying examinations be used as a basis for granting or denying degrees.

The medical laboratory technician program is a total education program, hence the general educational and clinical laboratory segments shall be integrated to the greatest extent possible.

The program must be a structured educational curriculum comprised of general education, laboratory sciences (including clinical laboratory) and related subjects. The subjects must be well organized. Program goals and outcomes of the educational process must be documented.

Medical laboratory techniques must be included. These courses, which shall be taught in a teaching laboratory on the college campus, in an affiliated hospital, or in both facilities, focus on developing basic skills, understanding principles and mastering the procedures involved.

a. Documentation of program goals and educational outcomes should include behavioral objectives, learning experiences designed to implement achievement of behavioral objectives and evaluation procedures to assess accomplishments of the behavioral objective.

b. Because of the large numbers of junior and community colleges and the wide variations in them, in terms of laboratory facilities, funding, and proximity to hospitals and medical laboratories, a "standard curriculum" is clearly impossible to describe.

c. A well balanced curriculum should include the following:

   1. *Communication skills, both written and verbal.*
   2. *Interpersonal relationships and social responsibility such as psychology and/or sociology.*
   3. *Basic mathematics including dilutions, conversions of fractions to decimals and basic statistics (standard deviation, means, etc.)*
   4. *Basic sciences such as elementary anatomy and physiology, microbiology, and chemistry including qualitative, quantitive and organic (either as separate courses or in combination).*
   5. *Clinical laboratory instruction should stress technical performance including application of quality control and the sources and detection of error rather than pure theory. Emphasis should be placed on understanding the principles of all test procedures taught.*
   6. *The range of procedures taught is left to the discretion of the program officials and faculty who should carefully weigh the educational background and ability of the students to comprehend the material and master the techniques. Generally, the Medical Laboratory Technician is expected to learn the*

majority of routine medical laboratory procedures and be able to exercise independent judgment to some degree.

d. The instructional staff of the educational institution and of the affiliated medical laboratories should agree upon the objectives of the program–what the student must be able to do and under what circumstances on satisfactory completion of the program.

e. If the educational institution has a well-organized and well-staffed science laboratory and simulated clinical laboratory, most of the learning experiences normally taking place in the hospital may be located here instead. If such conditions do exist, innovative means should be used to convey to the student certain essential features of the clinical laboratory operation including:

  1. *Experience in collecting specimens from sick and/or apprehensive patients*
  2. *Organization of work to cope with both volume and emergency demands*
  3. *Experience with abnormal specimens and values*
  4. *Experience in working with other members of the health care team*

f. In general, clinical subjects (medical laboratory techniques) should be introduced into the curriculum at the earliest appropriate time, but no later than the second term of the first academic year. The sequence of instruction should be the joint decision of the program director and the appropriate individuals in the clinical facilities affiliated with the program. Within the time frame of the program (no more than two calendar years) a minimum of 1,000 contact hours should be assigned to include medical laboratory techniques, related disease processes and professional inter-relationships.

27. Written criteria for pass/fail decisions must be established.

a. Evaluation systems to assess student knowledge, and skills should be through appropriate written, practical and/or oral examinations based on written objectives covering all types of structured learning experiences.

b. Evaluation systems to assess student affective behavior should be based on specific objectives in this area and documented through observation over a period of time.

c. Students should be fully informed about the methods and data used in determining grades and about the mechanism for appeals. Conditions governing dismissal from the program should be clearly defined in writing and distributed to students.

VI. PROGRAM EVALUATION

28. The effectiveness of the educational program must be documented through periodic review of all aspects of the program.

a. Significant aspects may be assessed through questionnaires, surveys, interviews or other means with faculty, students, graduates of the program, and employers of graduates.

b. Review of program objectives, means of implementation, and levels of effectiveness should also involve appropriate individuals who are not affiliated with the program. The self-evaluation document prepared for accreditation purposes is recommended for use in monitoring program effectiveness.

29. Records of scores on external certifying examination(s) of graduates from the three preceeding years must be considered in the self-evaluation review.

Such data constitute an important but not the only means of monitoring effectiveness. When examination scores are used for this purpose, identification of individual students must be avoided, in accordance with requirements of privacy laws.

VII. FAIR PRACTICES

30. Programs must meet the professional standards listed in CAHEA policy document, "Fair Practices in Education."

VIII. MAINTAINING ACCREDITATION

31. Accreditation shall be withdrawn whenever, in the opinion of CAHEA, an institution does not maintain an educational program in accordance with these standards. Appeals may be made according to established procedures.

32. When there is a change of the medical or program director(s) or of the education coordinator, the curriculum vitae of the new appointee must be submitted to CAHEA through NAACLS within 30 days after the appointment. This must include the educational background and experience in clinical pathology or medical technology. If these credentials are in order, accreditation of the program will continue.

No new students shall be enrolled while a program is without appropriate directors.

Students already in a program shall complete the program without jeopardy.

33. The Annual Report requested by CAHEA must be completed, signed by the directors and returned to CAHEA by the established deadlines.

A failure to complete and return the Annual Report for two consecutive years shall be interpreted as a request for withdrawal of accreditation.

ADMINISTRATION OF ACCREDITATION

The initial accreditation process of the program of study (which includes a site-survey) must be initiated by the express invitation of the chief administrator of the institution or an officially-designated representative. Application for accreditation of a program should be made to:

Committee on Allied Health Education and Accreditation
Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

The program may withdraw its request for initial accreditation at any time prior to final action (even after evaluation).

NAACLS, in cooperation with CAHEA, will periodically resurvey educational programs for consultation and reevaluation. The director of the program being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the visiting survey team, and to comment on its accuracy before final action is taken.

Resurveys may be conducted when a program comes to the attention of the NAACLS Review Board or CAHEA due to deficiencies or outstanding problem situations. Resurveys may also be conducted or a self-study report required if a program changes its curriculum significantly.

At the request of the chief administrative officer of the institution a resurvey may be conducted. Adverse accreditation decisions may be appealed by the established processes.

Accreditation is withdrawn only after advance notice has been given to the director of the program that such action is contemplated, and the reasons therefore, sufficient to permit timely response and use of the established procedures for appeals and review.

Essentials and Guidelines of an Accredited Educational Program for the Medical Laboratory Technician *(Certificate)*

Essentials initially adopted 1967; revised 1977
Adopted by the
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
AMERICAN MEDICAL ASSOCIATION
In collaboration with the
AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS
AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY

Guidelines approved 1977

Program Review Committees
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
with the
REVIEW COMMITTEE FOR MEDICAL LABORATORY TECHNICIAN *(CERTIFICATE)*

> *Essentials*, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
> Guidelines, explanatory documents which clarify the *Essentials*, are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials*.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

1. Educational programs may be established in:
   - A. Community and junior colleges and universities
   - B. Vocational/technical schools and institutions at the post secondary level
   - C. Proprietary educational institutions
   - D. Military-based schools
   - E. Hospital-based or independent medial laboratories

The institution shall be accredited or otherwise acceptable to the Committee on Allied Health Education and Accreditation. The institution must have the necessary clinical facilities and/or affiliations.

Institutions may be accredited by the Joint Commission on Accreditation of Hospitals, a regional accrediting agency/association, state licensure or recognition, or a national accrediting agency for proprietary schools.

2. The sponsoring institution to which accreditation is granted shall determine general policy and provide the necessary resources for the entire program. Program administrative and educational policies must reflect the philosophy and objectives of the program. These policies must be clearly defined, and the program faculty members must know them.

Written policy statements should be available to faculty, administrators, students, and external accrediting bodies.

3. The sponsoring institution shall have the responsibility for the total program from the time of student recruitment and enrollment through graduation. The director, education coordinator and instructors of the program shall be delegated the authority necessary for developing and implementing the program to meet the stated objectives.
   - *a. The program objectives should include:*
     - *1. An outline of educational commitments to students*
     - *2. A set of descriptions of the graduate's job entry level competencies*
   - *b. The program objectives should be reflected in course objectives, learning experiences provided, and methods of evaluation.*
4. If there are two levels of medical laboratory educational programs at one institution, the institution must demonstrate that each is being conducted at the appropriate level, and that there is commitment to both programs.
   - *a. Consideration will be given by NAACLS to applicant institutions for more than one generalist program if the following minimal criteria are met:*
     - *1. Clinical facilities with 500 or more beds; 15,000 or more annual discharges; or performing laboratory services equivalent in volume and variety of tests*
     - *2. Separation of instruction of the different levels of students*

   b. Programs such as those in cytotechnology, histology, specialist blood banking, clinical chemistry, microbiology, hematology, and public health are considered special programs, and are not necessarily subject to the above criteria.

5. In programs where academic education and clinical experience are not provided by the same institution, accreditation will be given to the institution responsible for the academic education (student selection, curriculum, academic credit, etc). The educational administrators shall be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

The educational program MUST provide written objectives and monitor student progress during clinical laboratory periods.

6. Written affiliation agreements between the sponsoring institution and the clinical facilities must be available.
   - *a. Affiliation agreements with clinical affiliates should address at least the following components:*
     - *1. Supervision of the clinical instruction*
     - *2. Number of students to be assigned*
     - *3. Financial arrangements between institutions*
     - *4. Student health policies*
     - *5. Criteria and procedures for reciprocal faculty and staff appointments*
     - *6. Provision for control of the quality of instruction as a responsibility of the accredited program*
     - *7. The schedule of meetings between instructional staff of the institutions each year*
     - *8. A statement providing for periodic review of the affiliation agreement*
   - *b. When additional affiliations are negotiated, or significant changes are made in existing affiliations, a copy of the new document should be submitted to the NAACLS Executive Office. When clinical affiliations are changed, the specific form for this purpose should be obtained from the NAACLS Executive Office and submitted for approval within 30 days.*

7. The clinical facilities shall be in a medical laboratory, either hospital-based or independent, designated for clinical teaching by demonstration, student observation and supervised practical experience. Each facility utilized shall be located in an institution staffed with a sufficient number of qualified personnel under the direction of a pathologist. The facility must have space, equipment and personnel adequate for both services and teaching responsibilities.
   - *a. Sufficient space and clinical material may be equivalent to that normally provided by a general acute-care hospital of 100 beds and 3,000 annual discharges.*
   - *b. Equipment should include a sufficient amount and variety of non-automated equipment that students may use for learning experiences independent of the service work of the laboratory. Current automated and/or semi-automated instruments should be available for student learning experiences and practice.*

8. Accreditation is granted for a maximum number of students per year. That maximum shall not be exceeded without permission of CAHEA. At least 5 students shall be enrolled in each class.
   - *a. Forms for documenting evidence in support of increased student capacity are available from the NAACLS Executive Office. These forms should be submitted to NAACLS for review by the Review Committee in preparing the recommendation to be submitted to CAHEA.*
   - *b. The number of students admitted to a class should not exceed the approved number, regardles of the anticipated attrition rate.*

II. PROGRAM RESOURCES

9. Adequate classrooms, laboratories and administrative offices shall be provided in accordance with accepted educational standards.

10. Appropriate equipment and supplies for directed experiences shall be available in sufficient quantities for student participation. The laboratory must meet all safety requirements. Records of performance on internal and external quality control programs in the clinical laboratory shall be available.
   - *a. The clinical affiliation should have available laboratory material equivalent to that provided by an acute-care hospital of 100 beds, 3,000 annual discharges and a distribution of clinical material sufficient to provide adequate technical education in the various laboratory divisions.*
   - *b. Evidence of satisfactory performance in both internal and external quality control programs may be documented by the types of control policies and practices, and satisfactory performance on a recent external quality control survey.*

11. A library shall be readily accessible and shall contain an adequate supply of up-to-date scientific books, periodicals and other reference materials related to the curriculum.

"Up-to-date" is defined as copyrighted within the last five years.

12. Up-to-date audiovisual equipment, models, films and other teaching aids must be available for classroom instruction.
   - *a. Demonstration material should include a wide range of the following types:*
     - *1. Normal and abnormal peripheral blood specimens.*
     - *2. Specimens of parasites, ova, and stained preparations of parasites*
     - *3. Normal and abnormal microscopic urine sediments*
     - *4. Stock cultures for bacteriology*
     - *5. Normal and abnormal sera for immunohematology, chemistry and serology*
   - *b. Multimedia instructional material may include the usual range of hard- and soft-ware.*
   - *c. Case-study materials which demonstrate various disease processes and support understanding of patients' problems should be utilized.*

13. Resources for continued operation of the program shall be assured through an approved budget.
   - *a. The practice of maintaining complete records of budget allocations and expenditures for the program is encouraged.*
   - *b. Regular departmental budget allocations for the program may be supplemented by grants or other external sources of funds.*

III. FACULTY

14. Faculty must conform to the standards appropriate to the type of institution sponsoring the educational program. Directors and education coordinators must document participation in courses in education and/or continuing education programs which are acceptable to CAHEA and have been shown to provide adequate and appropriate training in the area of curriculum design and teaching techniques. A planned program for continuing education, including educational methodology, for instructional program faculty and all instructors in the clinical area must be provided.

a. Evidence of participation in courses and/or continuing education activities may be through a variety of means:

1. Academic transcripts

2. Official recording of continuing education units (CEU) granted by educational institutions, health care institutions, professional organizations, etc.

3. Manuals, notebooks, textbooks, and other instructional materials identified with specific continuing education programs or activities

b. Adequate and appropriate training in the area of curriculum design and teaching techniques should be reflected in the program itself, its evaluation of its own strengths and weaknesses in these areas, and its ongoing efforts at self-improvement.

c. The planned program in continuing education for instructional personnel should be designed to develop and augment the knowledge, skills and abilities of the instructional staff in both his own professional specialty and in teaching. These continuing education activities should be relevant to the role and/or professional specialty.

15. The program, whether academic-based or hospital-based, must have a medical director, a program director and/or education coordinator, and an adequate number of competent instructors. Both the medical director and the supervisor of the clinical laboratory instruction must participate significantly in the program. If more than one person is to be responsible for the program, any division of duties must be clearly established in writing.

A. *Medical Director:* The medical director must be a graduate in medicine who is qualified in clinical pathology and is acceptable to CAHEA. This program official shall be responsible for medical relevance of the program and share with the program director and/or education coordinator the responsibility for administration, organization and operation of the program, including classroom and laboratory instruction. The medical director must be in attendance for sufficient time to ensure medical relevance in the student's educational experience. The medical director's responsibility shall be principally to correlate for the student the clinical significance of medical laboratory procedures.

B. *Program Director:* The program director shall have at least a master's degree, three years experience in education, and clinical laboratory education and experience acceptable to CAHEA. The program director is based primarily in the academic facility of an academic-based program, and is responsible for coordination of the program with the medical director and education coordinators in the clinical facilities.

C. *Education Coordinator:* The education coordinator shall be a qualified medical technologist, with a baccalaureate degree and at least three years of laboratory experience, including one year of teaching experience, or have education and experience acceptable to CAHEA. The education coordinator is the technologist who is responsible for coordination of the program under the direction of the medical director. The education coordinator must have adequate time to conduct the teaching program.

The duties of the education coordinator may include: coordination of practical and didactic instruction, preparation of scheduled assignments in the clinical laboratory, curriculum development, program objectives, student evaluation and counseling, recruitment, recordkeeping, and liaison with teaching personnel in the laboratories.

D. *Instructors:* Instructors teaching courses in the medical laboratory sciences shall possess appropriate credentials in those medical laboratory specialties. An acceptable instructor/student ratio in the educational institution's student laboratory, adequate to provide for quality instruction must be maintained.

a. Appropriate credentials include:

1. A baccalaureate degree in medical technology or one of the physical or biological sciences

2. Certification as a specialist by a recognized credentialling agency

3. Demonstration of equivalency by examination.

E. An acceptable technologist/student ratio in the clinical laboratory, to assure quality instruction must also be maintained.

a. The designation of specific technologists for responsibility in supervising students may be accomplished by job descriptions detailing their specific educational responsibilities.

b. An acceptable student:technologist ratio in the student laboratory should not exceed 20:1; a more favorable ratio is preferred.

c. Clinical laboratory assignments should not exceed the ratio of 2 students to each instructor in any rotation.

F. There shall be a formal meeting of program faculty with the instructors at each clinical facility at least once each academic year for exchange of information, views and ideas for better coordination of the program. Minutes shall be kept of such meetings.

16. If the medical director, program director or education coordinator of the program is changed, notification to the National Accrediting Agency for Clinical Laboratory Sciences of such appointment must be made within 30 days. The curriculum vitae of the new appointee must be submitted.

17. Criteria for the employment of faculty must not be based on race, color, creed, age, sex or national origin.

IV. STUDENTS

18. Selection of students shall be made by an admissions committee, with input from the medical director, program director and/or education coordinator. Candidates for admission must be high school graduates or have passed a high school equivalency test.

a. A background in chemistry, algebra, biological and/ or physical sciences is recommended. Provision should be made for accepting graduates of recognized programs in other allied health professions and for giving appropriate credits for courses already completed.

b. The admission policies should be based on established criteria that are necessary to assure admission of students who are prepared for the educational program.

c. Quantitative criteria may include specified standards for a minimum grade-point average, completion of courses/classes in specified subject content areas, and qualifying examination scores.

d. Qualitative criteria may include specified standards established for scores and/or ranking based on interviews, recommendations, and statements of career goals written by the applicant.

19. Criteria for selection of students must not be based on race, color, creed, age, sex or national origin.

20. Applicants shall be required to submit evidence of good health and appropriate immunizations.

a. Provision should be made for evaluation and main-

tenance of the student's health. Chest x-ray or tuberculin skin tests performed at the time of enrollment and at completion of the program are recommended.

b. Immunizations to be considered are tetanus, typhoid, and poliomyelitis.

c. Every precaution should be taken to prevent any health hazard in the laboratory.

d. The health services of the college and hospital's should be available to the student. Emergency health care should be provided.

e. Hospitalization for a reasonable time should be made available by the hospital or college student health service either directly or through hospitalization insurance.

21. Normally, there shall be no more than two admission dates per year. Criteria for admission shall be on file at the institution sponsoring the program. Students shall be informed prior to admission of the criteria upon which their grades will be based. Students shall be notified of mechanisms provided by the program for review of student grievances.

22. Students in the laboratory technician program must not be used as substitutes for, or replacements of, paid laboratory personnel. Any student work in the laboratory outside regular educational hours must be voluntary, paid, and on-site directly supervised, and the student must have demonstrated competence in the area of work. Exploitation of students will result in the removal or withholding of accreditation.

Students can be awarded a scholarship, but should not be expected to work in return for this. If they are paid for any work, this should be for work outside normal classroom hours, and they should not be allowed to work excessive hours, to the detriment of their educational program. Stipends are discouraged as they tend to imply that service is rendered.

23. Satisfactory records, including work accomplished by the student in the educational program, must be maintained. A certificate of completion will be given to the student upon successful completion of the program.

A. Student records should include:

1. transcripts of high school and any college credits or other credentials

2. reports of medical examinations upon admission and records of subsequent illnesses

3. a record of class and laboratory participation and accomplishment of each student

4. attendence records

NOTE: Federal law requires that these student files be open to the student at his/her request and that release of information is prohibited except with written consent of the student.

The program should maintain the student records for a reasonable period of time (e.g; 10 years) and should conform to any State laws relating to this area. Ideally, the student files should be maintained permanently, intact or microfilmed.

B. Program records should include:

1. a copy of the complete curriculum

2. copies of course outlines, rotation schedules, tests and quizzes

3. an accurate record system of dates and location of clinical experiences

4. the evaluation form of clinical experiences

C. Clinical laboratory records should include:

1. monthly and yearly tabulation of the range and volume of work performed in the service laboratory

2. results of quality control evaluations

V. CURRICULUM

24. An outline of the complete curriculum, including a structured clinical laboratory experience, must be filed with NAACLS. The curriculum must include behavioral objectives, learning experiences designed to implement achievement of objectives. Student evaluation must include assessment of knowledge, skills proficiency in procedures and affective behavior.

a. Evaluation systems to assess student knowledge and skills should be through appropriate written, practical, and/or oral examinations based on written objectives covering all types of structured learning experiences.

b. Evaluation systems to assess student affective behavior should be based on specific objectives in this area and documented through observed behavior over a period of time.

c. Students should be fully informed about the methods and data used in determining grades, and about the mechanism for appeals. Conditions governing dismissal from the program should be clearly defined in writing and distributed to the students.

24 A. Instruction shall follow a planned outline which includes:

1. Assignment of appropriate instructional materials
2. Classroom presentations, discussions, and demonstrations
3. Supervised practice of basic procedures
4. Examinations, both oral and written, for the didactic and clinical aspects of the program
5. Supervised clinical experiences under competent medical direction

Education should be continuous with as few interruptions as possible. Sick leave should be granted at the discretion of the director, with each request considered on an individual basis.

B. Both classroom instruction and clinical experience time must be adequate for students to achieve the expected competencies.

The sequence of instruction for the remainder of the course is at the discretion of the director. It shall include basic technical instruction in accordance with the community needs for this level of education.

a. The complete program should be approximately 12 months in duration. Longer programs are discouraged.

b. The curriculum should be designed to assure that students develop an appreciation of their working relationships with other health personnel. They should acquire an understanding of the ethical and legal principles governing all medical practice. This would be covered under the subjects "medical law and ethics," "psychology," and "communications."

c. The curriculum should provide opportunities for students to apply theory to practice through correlated and supervised instruction in the clinical practice areas. The content of clinical instruction should give evidence that the basic scientific principles and concepts selected for learning experiences have been identified and incorporated into the curriculum. Activities should include field trips, case studies and similar educational designs to enhance the application of previous and ongoing learning.

d. In each clinical practice area, faculty members of the *program will be responsible for the supervision of student learning experiences. These experiences should be selected by the faculty, in cooperation with appropriate personnel in the clinical agencies.*

e. Student needs should be interpreted to the clinical personnel of the cooperating agencies, and the students helped to develop a level of competencies expected at the job-entry level in the clinical area.

f. The program should include the following subject matter:

   1. Introductory courses in psychology, communications, professional relations and organizations, medical law and ethics
   2. Scientific instrumentation, anatmy and physiology, medical terminology, laboratory mathematics
   3. Hematology, serology, blood banking, chemistry, microbiology, and clinical microscopy
   4. Principles of quality control and record keeping

25. An official publication, including a description of the curriculum, shall be issued at least biennially. It should include information regarding the organization of the program, a brief description of required courses, names and academic rank of faculty, entrance requirements, tuition and fees, and facilities used for clinical experiences.

VI. PROGRAM EVALUATION

26. The effectiveness of the educational program must be documented through periodic review of all aspects of the program.

a. Significant aspects of the program may be assessed by questionnaires, surveys, or other means, with faculty, students, graduates of the program, and employers of graduates.

b. Review of program objectives, means of implementation, and levels of effectiveness should also involve appropriate individuals who are not affiliated with the program. The self-evaluation document prepared for accreditation purposes is recommended for use in monitoring program effectiveness.

27. Records of scores on external certifying examination(s) of graduates from the three preceeding years must be considered in the self-evaluation review.

Such data constitute an important but not the only means of monitoring effectiveness. When examination scores are used for this purpose, identification of the individual students must be avoided, in accordance with requirements of privacy laws.

VII. FAIR PRACTICES

28. Program must meet the professional standards listed in CAHEA policy document, "Fair Practices in Education".

VIII. MAINTAINING ACCREDITATION

29. CAHEA may withdraw accreditation whenever the educational program is not maintained in accordance with the *Essentials*, or there are no students in the program for two consecutive years.

30. The Annual Report form requested by CAHEA must be completed, signed by the director and returned to CAHEA by the established deadlines. Failure to complete and return the Annual Report for two consecutive years will be interpreted as a request for withdrawal of accreditation.

ADMINISTRATION OF ACCREDITATION

The initial accreditation process of the program of study (which includes a site-survey) must be initiated by the express invitation of the chief administrator of the institution of an officially-designated representative. Application for accreditation of a program should be made to:

Committee on Allied Health Education
and Accreditation
Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

The program may withdraw its request for initial accreditation at any time prior to final action (even after evaluation).

NAACLS, in cooperation with CAHEA, will periodically resurvey educational programs for consultation and reevaluation. The director of the program being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the visiting survey team, and to comment on its accuracy before final action is taken.

Resurveys may be conducted when a program comes to the attention of the NAACLS Review Board or CAHEA due to deficiencies or outstanding problem situations. Resurveys may also be conducted or a self-study report required if a program changes its curriculum significantly.

At the request of the chief administrative officer of the institution a resurvey may be conducted. Adverse accreditation decisions may be appealed by the established processes.

Accreditation is withdrawn only after advance notice has been given to the director of the program that such action is contemplated, and the reasons therefore, sufficient to permit timely response and use of the established procedures for appeals and review.

Essentials of an Accredited Educational Program for the Medical Record Administrator

Initially adopted 1943; revised 1952, 1960, 1967, 1974
Adopted by the
AMERICAN MEDICAL ASSOCIATION
AMERICAN MEDICAL RECORD ASSOCIATION

Program Review Committee
EDUCATION AND REGISTRATION COMMITTEE

PREAMBLE

OBJECTIVES

The American Medical Association and the American Medical Record Association cooperate in this program of accreditation to establish and maintain standards of appropriate quality for educational programs in medical record administration and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*.

These standards are to be used for the development and evaluation of medical record administration programs. Lists of accredited programs are published for the information of employers and the public.

DESCRIPTION OF THE OCCUPATION

The medical record administrator is the professional responsible for the management of health information systems consistent with the medical, administrative, ethical and legal requirements of the health care delivery system.

The common functions of the medical record administrator include, but are not limited to, the following:

1. Plan and develop a system of medical records to attain the institutional goals and meet standards of accrediting and regulatory agencies.
2. Develop, analyze and technically evaluate medical records and indexes.
3. Assist the medical staff in evaluating the quality of patient care and in developing criteria and methods for such evaluation.
4. Participate in committee functions relative to medical records and patient information systems.
5. Collect and analyze patient and institutional data for health care related programs.
6. Develop in-service education materials and offer instructional programs for health care personnel.
7. Design health information systems appropriate for varying sizes and types of health care facilities.
8. Design and direct a health record abstracting system for regional health data systems.
9. Engage in basic and applied research in the health care field.
10. Provide consultant services to various types of health care facilities, health data systems, health related organizations and governmental agencies.
11. Direct a total health record program for an individual health care facility or a system of health care institutions.
12. Design facilities in which medical record services may be offered efficiently.
13. Prepare and manage departmental budgets.
14. Select and order equipment and supplies.
15. Participate in development of institutional policies and procedures.
16. Initiate, conduct or participate in research and development of systems, services and equipment.
17. Coordinate and integrate the efforts of the medical record department with those of other departments to achieve institutional goals.
18. Manage the human resources of the medical information service.
19. Evaluate the organization and operation of medical record services in relation to established standards and new technology and make appropriate revisions.
20. Evaluate and improve the systems, forms, procedures, methods and motions used in accomplishing departmental work.
21. Select and utilize management tools appropriate for achieving specified objectives in the health care setting.
22. Develop and implement policies and procedures for processing medico-legal documents, insurance and correspondence requests in accordance with professional ethics and in conformity with federal, state, and local statutes.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

A. Location of Programs

Educational programs shall be established only in colleges and universities which are authorized to grant a baccalaureate degree. The institution must be accredited by a nationally recognized accrediting agency, and located in an area where clinical affiliation sites are available. (See II—Clinical Affiliations).

B. Standards of Ethical Practice

The medical record administration program must be conducted without discrimination on the basis of race, color, creed, sex, age or ethnic origin. This principle applies to the selection of students, classroom and clinical practice instructors, and other staff members and to all aspects of the organization and administration of the medical record program.

There shall be a published statement of the standards of ethical practice observed in the college or university.

II. CLINICAL AFFILIATIONS

A. There must be supervised clinical experience designed to reinforce the classroom and laboratory learning experience, to enable students to develop understanding of medical record procedures, to apply principles of medical record service, to observe employee relationships, and to associate with professionals in the health care field.

B. The clinical phase of the medical record program must be conducted in appropriate clinical sites, under competent clinical direction.

C. Assignments to gain experience in clerical/technical procedures may be under the direction of an accredited record technician. Assignments to gain experience in administration of a medical record department must be under the supervision of a registered record administrator.

D. The program director and academic center faculty shall be responsible for assuring that the activities assigned to medical record students in the clinical setting are educational.

III. FACILITIES

A. Adequate administrative and faculty office space, classrooms, laboratories, equipment, teaching aids, supplies and materials must be provided for the medical record administration program. Sufficient space must be available to effectively demonstrate health record systems and to provide opportunity for student participation in skill learning and group projects.

B. **Library—Learning Resource Center.** An adequate supply of up-to-date scientific books, periodicals, and other reference materials related to the medical record administration curriculum shall be readily accessible.

IV. FINANCES

Financial support of the educational program shall be assured through the regular educational budget of the sponsoring institution.

V. FACULTY

A. **Program Director**

1. Qualifications: The program director shall have at least a baccalaureate degree and registration by the American Medical Record Association. A minimum of three years experience in medical record administration at the administrative management level or other appropriate experience acceptable to the two bodies concerned with accreditation is required.
2. Responsibilities: In addition to other assigned responsibilities the director of the educational program shall be responsible for the organization, administration, periodic review, continued development, and general effectiveness of the program. The teaching assignment of the director must allow adequate time for administrative responsibilities.

B. **Instructional Staff**

The faculty shall be qualified through academic preparation and experience to teach the subjects assigned, and shall have adequate and appropriate training in the areas of curriculum design and teaching techniques.

C. **Number**

The number of instructional staff shall be commensurate with the most effective learning and teaching practices and shall be consistent with acceptable student-teacher ratios for educational programs for the allied health professions.

D. **Advisory Committee**

Appropriate support shall be established to assist the director in the development and continuing evaluation of the program.

VI. STUDENTS

A. **Selection**

Selection and screening of medical record administration students shall be done in accordance with the generally accepted practice of the educational institution. Admissions data shall be on file.

B. **Health**

Applicants shall be required to submit evidence of satisfactory health. A student health service shall be available for evaluation and maintenance of the students' health. When students are learning in a clinical setting or a hospital, the sponsoring institution shall provide students with the protection of physical examinations and immunizations as are provided to hospital employees working in the same clinical setting.

VII. RECORDS

Records shall be maintained for all students in the educational program.

VIII. CURRICULUM

A. Educational programs for medical record administrators shall be at the baccalaureate level, either incorporated into a four year program leading to a baccalaureate degree or in a program of post-baccalaureate study.

B. General topics of study must be in accordance with the educational philosophy of the institution offering the medical record administration program. Existing courses in the educational institution should be utilized when the course adequately meets the needs of the medical record administration program students. The curriculum shall include study in general education, those sciences which contribute to an understanding of the human body and its desease processes (including a laboratory course in anatomy and physiology), the professional courses and electives.

C. Assignments for directed clinical practice should be made to medical record services in institutions that conform to the Guidelines regarding clinical affiliations. The students' assignments shall be structured so that experience is gained in various types of health information systems previously studied through classroom presentation and/or laboratory experience. At least one of the assignments for directed clinical practice shall be in departmental management and shall be full-time, extending over a two to four week period.

D. Sequence of courses, course content and credit allotment for professional courses shall be established by the medical record administration program director and faculty in conjunction with their appropriate administrative person and/or faculty committee.

E. Professional coursework shall include study of the following topics as they apply to all the various types of facilities delivering health care.

1. The language of medicine including word construction, definitions and use of terms related to all areas of medical science
2. The nature and cause of disease, as well as the treatment and management of patients
3. The philosophy, objectives, resources and funding of existing and emerging government and community health programs
4. The organizational patterns and functions of various health care institutions and agencies
5. Current trends in health care delivery
6. Accreditation standards for health care facilities
7. The role of health related professionals and their interrelationships
8. The medical staff organization and function
9. Changing roles of health care providers
10. Ethics of health care
11. The principles, practice and development of public health including local, state and federal programs

12. The medical record, its content and origin of clinical information
13. Methods of securing, identifying, numbering, filing, preserving and retrieving medical records
14. The standards of documentation—quantitative and qualitative analysis of the medical record with regard to those standards
15. Nomenclatures and classification systems
16. Research and statistical techniques
17. Evaluation techniques (including criteria development) for appraising medical care
18. Development of information and management systems.
19. Principles of systems design and analysis as applied to the processing of medical record information
20. Mechanical and electronic techniques for processing information
21. The current status of health information systems and applications for automated data processing techniques to the health field
22. Record linkage
23. Federal, state, and local laws and regulations as they pertain to the health care field
24. Security in health data—moral and legal principles involving control and use of health information, and confidentiality of medical information
25. Organization and management principles as applied to administration of medical services
26. The utilization and control of financial resources and budgets
27. The selection, utilization and control of physical resources: space, supplies, equipment and environment
28. Personnel administration theory applied to the health care setting
29. Wage and salary administration
30. Labor relations/unions
31. The objectives, methodology, and effectiveness of in-service educational programs
32. Professional communications—oral and written
33. The role of professional associations in the promotion of medical record administration

IX. PROGRAM STATUS

A. **Catalog**

The official publication of the educational institution shall include a description of the medical record administration curriculum and shall be updated at least biennially.

B. **Reports**

An Annual Report shall be made to the Committee on Allied Health Education and Accreditation and the American Medical Record Association. A report form is provided and should be completed, signed by the director of the educational program, and returned promptly.

C. **Closure**

An institution planning to close a program or discontinue accepting students for a period of one year or more must notify the Committee on Allied Health Education and Accreditation and the American Medical Record Association at least one calendar year in advance of such action.

Essentials of an Accredited Educational Program for the Medical Record Technician

Initially adopted 1953; revised 1965, 1976
Adopted by the
AMERICAN MEDICAL ASSOCIATION
AMERICAN MEDICAL RECORD ASSOCIATION

Program Review Committee
EDUCATION AND REGISTRATION COMMITTEE

PREAMBLE

OBJECTIVES

The American Medical Association and the American Medical Record Association cooperate in this program to establish and maintain standards of appropriate quality for educational programs in medical record technology and to provide recognition for educational programs which meet or exceed the minimal standards outlined in the *Essentials*.

These standards are to be used for the development and self-evaluation of medical record technology programs. Lists of the accredited programs are published for the information of employers and the public.

DESCRIPTION OF THE OCCUPATION

The medical record technician possesses the technical skills necessary to maintain components of health information systems consistent with the medical, administrative, ethical, legal, accreditation and regulatory requirements of the health care delivery system.

The functions of the medical record technician include, but are not limited to, the following:

1. Technically analyze and evaluate health records according to standards established by current law, regulations and accrediting agencies.
2. Compile and utilize various types of administrative and health statistics, e.g., patient census, daily discharge analysis, monthly patient data reports and vital statistics.
3. Code symptoms, diseases, operations, procedures and other therapies according to recognized classification systems.
4. Release health information (medicolegal, insurance and correspondence requests) in accordance with professional ethics and in conformity with institutional policy and legal provisions.
5. Maintain and utilize a variety of health record indexes, storage and retrieval systems.
6. Perform patient registration activities.
7. Transcribe medical reports.
8. Complete and/or verify discharge data abstracts.
9. Prepare health data input for computer processing, storage and retrieval.
10. Maintain specialized registries, such as cancer, trauma, and stroke.
11. Abstract and retrieve health information used for evaluating and planning in health care and health related programs.
12. Participate in committee functions relative to health records and patient information systems.
13. Provide data to the health care facility staff in patient care evaluation, utilization review, planning and research activities.
14. Supervise one or more health record service activities, such as transcription, word processing, filing, coding and indexing, statistics and correspondence.
    This function may include:
    —planning and assigning work loads
    —communicating work priorities to appropriate personnel
    —assisting in planning and implementing short and long range departmental objectives
    —assisting personnel under their supervision in their work
    —preparing appropriate reports on activities in units under their supervision
    —assisting in inservice education and the training of personnel
    —assisting in evaluating and improving the systems, forms, procedures, methods, and motions used in accomplishing work in units under their supervision
    —assisting in the preparation of departmental budgets
    —assisting in research and selection of systems, services, supplies and equipment

REQUIREMENTS FOR ACCREDITATION

I. EDUCATIONAL INSTITUTIONS

A. **Location of Programs**

Educational programs shall be established only in degree-granting educational institutions which are accredited by a nationally recognized accrediting agency and located in areas where clinical affiliation sites are available.
(See II., Clinical Affiliations)

B. **Standards of Ethical Practice**

The medical record technology program must be conducted without discrimination on the basis of race, color, creed, sex, age or ethnic origin. This principle applies to the selection of students, classroom and clinical practice instructors, and other staff members and to all aspects of the organization and administration of the medical record program.

There shall be a published statement of the standards of ethical practice observed in the college or university.

II. CLINICAL AFFILIATIONS

A. There must be supervised clinical experience designed to reinforce the classroom and laboratory learning experience, to enable students to develop understanding of medical record procedures, to apply principles of medical record science, to observe employee relationships, and to interact with professionals in the health care field.

B. The clinical phase of the medical record technology program must be conducted in appropriate clinical sites, under competent clinical direction.

C. Assignments to gain experience in technical procedures must be under the direction of an accredited record technician or a registered record administrator.

D. The program director and academic center faculty shall be responsible for assuring that the activities assigned to medical record students in the clinical setting are educational.

III. FACILITIES

A. Adequate administrative and faculty office space, classrooms, laboratories, equipment, teaching aids, supplies and materials must be provided for the medical record technology program. Sufficient space must be available to effectively demonstrate health record systems and to provide opportunity for student participation skill learning and group projects.

B. **Library**
An adequate supply of up-to-date scientific books, periodicals and other reference materials related to the medical record technology curriculum shall be readily accessible.

IV. FINANCES

Financial support of the educational program shall be assured through the regular educational budget of the sponsoring institution.

V. FACULTY

A. **Program Director**

1. Qualifications: The program director shall have at least a baccalaureate degree and registration by the American Medical Record Association. A minimum of three years experience in medical record administration at the administrative management level or other appropriate experience acceptable to the two bodies concerned with accreditation is required.
2. Responsibilities: In addition to other assigned responsibilities the director of the educational program shall be responsible for the organization, administration, periodic review, continued development and general effectiveness of the program. The teaching assignment of the director must allow adequate time for administrative responsibilities.

B. **Instructional Staff**

1. Qualifications: The faculty shall be qualified through academic preparation and experience to teach the subjects assigned, and should have adequate and appropriate training in the areas of curriculum design and teaching techniques.
2. Number: The number of instructional staff shall be commensurate with the most effective learning and teaching practices and shall be consistent with acceptable student-teacher ratios for educational programs for the allied health professions.

VI. ADVISORY COMMITTEE

Appropriate support shall be established to assist the director in the development and continuing evaluation of the program.

VII. STUDENTS

A. **Selection**
Selection and screening of medical record technology students shall be done in accordance with the generally accepted practice of the educational institution.

B. **Health**
Students shall be required to submit evidence of satisfactory health prior to clinical assignments.

VIII. RECORDS

Records shall be maintained for all students in the educational program.

IX. CURRICULUM

A. Educational programs for medical record technicians shall lead to an associate degree or equivalent academic credit.

B. General topics of study must be in accordance with the educational philosophy of the institution offering the medical record technology program. Existing courses in the educational institution should be utilized when the course adequately meets the needs of the medical record technology students. The curriculum shall include courses in medical record science, anatomy and physiology (a laboratory course), basic pathology of disease process, general education and electives.

C. Assignments for directed clinical practice should be made to health record services in institutions and agencies that conform to the guidelines regarding clinical affiliations. The students' assignments shall be structured so that experience is gained in various types of health record services previously studied through classroom presentation and/or laboratory experience.

D. Sequence of courses, course content and credit allocation for medical record science courses shall be established by the medical record technology program director and faculty in accordance with appropriate administrative procedures.

E. Medical record science course work shall include study of the following topics as they apply to all the various types of facilities delivering health care.

1. Medical terminology/transcription
    a. Language of medicine including word construction, definitions and use of terms
    b. Medical machine transcription
2. The health care delivery system
    a. Medical staff organization and function
    b. Roles of health professionals and their relationships
    c. Role of professional associations
    d. Current trends in health care delivery
    e. Organizational patterns and functions of various health care institutions and agencies
3. Health records
    a. Origin, content and use of health records
    b. Methods of securing, identifying, numbering, filing, preserving and retrieving health records
    c. Analysis of health records
    d. Accreditation, certification and licensure standards relating to health records
4. Ethical/legal aspects
    a. Ethics of health care
    b. Laws and regulations as they pertain to the health record field
    c. Security of health data: principles involving control and usage of health information and confidentiality of medical information
5. Processing of health data

   - a. Basic statistical techniques
   - b. Mechanical and electronic information processing
   - c. Basic concepts of record linkage
   - d. Health data abstracting systems
   - e. Health data display techniques
   - f. Nomenclatures and classification systems
   - g. Patient care evaluation techniques
   - h. Purpose and function of specialized health information registries
   - i. Utilization review and PSRO functions

6. Admitting procedures
   - a. Interview techniques
   - b. Registration procedures
   - c. Census and bed control
7. Personnel supervision and human relations

F. Directed Clinical Practice All programs shall include appropriate directed clinical practice experience in the following areas:

1. Technical analysis and evaluation of health records
2. Statistical compilation, display and retrieval of health information
3. Coding and abstracting health information
4. Medicolegal and correspondence procedures
5. Health record storage, retrieval and control procedures
6. Patient registration
7. Medical transcription procedures
8. Specialized health information registry procedures
9. Health care facility and medical staff committee procedures
10. Utilization review procedures
11. Patient care evaluation

X. CATALOG

The official publication of the educational institution shall include a description of the medical record technology curriculum and shall be updated at least biennially.

XI. PROGRAM STATUS

A. **Reports**

The Committee on Allied Health Education and Accreditation provides an Annual Report which must be completed, signed by the director of the educational program and returned promptly.

B. **Closure**

An institution planning to close a program or discontinue accepting students for a period of one year or more, must notify the Committee on Allied Health Education and Accreditation and AMRA at least one calendar year in advance of such action.

Essentials and Guidelines of an Accredited Educational Program for the Medical Technologist

Essentials initially adopted 1936; revised 1950, 1958, 1968, 1972, 1977
Adopted by the
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
AMERICAN MEDICAL ASSOCIATION
In collaboration with the
AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS
AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY

Guidelines approved 1977

Program Review Committees
NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES
with the
REVIEW COMMITTEE FOR MEDICAL TECHNOLOGY

> *Essentials*, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
>
> Guidelines, explanatory documents which clarify the *Essentials*, are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials.*

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

1. Educational programs for medical technologists shall be conducted by accredited colleges, universities, hospitals or other institutions acceptable to the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) and the Committee on Allied Health Education and Accreditation (CAHEA).
   a. *Institutions may be accredited by the Joint Commission on Accreditation of Hospitals, a regional accrediting agency/association for higher education, state licensure or other similar recognition.*
   b. *CAHEA-accredited educational programs for medical technologists may be sponsored by:*
      1. *Hospitals which accept students from one or more affiliated academic institutions and provide the fourth (senior) year of the baccalaureate program*
      2. *Hospitals which accept only students who have already earned the baccalaureate degree*
      3. *A university which affiliates with one or more clinical facilities that provide the clinical portion in the fourth (senior) year of the baccalaureate program*
      4. *A university which integrates the clinical portion of its baccalaureate program in more than one year of the program*
      5. *A university which requires an associate degree in laboratory science for admission to the upper division medical technology baccalaureate program*
      6. *A program in which two or more institutions cooperate in sharing specific faculty and/or facilities and is governed by a legal entity which assures continuity for the periods covering accreditation*

Consortia may be formed for the purposes of maximizing the use of resources of more than one CAHEA accredited program, under an inter-program agreement while maintaining individual accreditation.

2. The medical technology program must culminate in a baccalaureate degree, or a certificate for the student who enters the program with a baccalaureate degree. The granting of the degree must not be contingent upon the student's passing any type of certification or licensure examination. Academic standards for the program must be approved by the institution that grants the degree.
   a. *Any affiliation agreement with an academic institution that grants the degree should clearly stipulate the conditions and requirements to be met for granting the degree.*
   b. *Academic standards to be approved by the institution granting the degree include course/credit hours; policies for determining grades; required grade-point averages to maintain good academic standing*

and to qualify for the degree; and procedures for reporting and recording grades on the college transcript.

3. There must be documented evidence of an affiliation agreement, including evidence of cooperative curriculum development and supervision between academic and clinical facilities. Programs that admit only students already posessing a baccalaureate degree do not require such affiliation agreements.

The accreditation granted to a college, university, or hospital-based program will specify the academic and/or clinical affiliations. Prior notification to CAHEA through NAACLS will be required for any changes.

a. *The following types of documents will be considered acceptable as evidence of cooperative curriculum development and supervision:*

  1. *Minutes, reports, summaries of official meetings between representatives of clinical and academic institutions; and/or*
  2. *Copies of pertinent correspondence between representatives of clinical and academic institutions*

b. *Affiliation agreements between hospital-based programs and their academic affiliates should address at least the following components:*

  1. *A statement that the educational institution will grant the baccalaureate degree to eligible students completing the medical technology program*
  2. *The criteria for admission to the accredited program, including both academic and non-academic considerations*
  3. *The minimum and maximum number of qualified students who may be admitted each year*
  4. *Assignment of course numbers and credits to each subject in both academic and professional phases of the program*
  5. *Tuition, fees, and the manner in which the funds are to be distributed*
  6. *Policies concerning pass/fail decisions, grading systems, and other evaluation procedures*
  7. *Student health policies*
  8. *Criteria and procedures for reciprocal faculty and staff appointments*
  9. *The schedule for meetings between instructional staff of the institutions each year*
  10. *A statement providing for periodic review of the affiliation agreement*

c. *Affiliation agreements between university-based programs and their clinical affiliates should address at least the following components:*

  1. *Supervision of the clinical instruction in the clinical facility*
  2. *Number of students to be assigned*
  3. *Financial arrangements between institutions*
  4. *Student health policies*
  5. *Criteria and procedures for reciprocal faculty and staff appointments*
  6. *Provision for control of the quality of instruction as a responsibility of the accredited program*
  7. *The schedule for meetings between instructional staff of the institutions each year*
  8. *A statement providing for periodic review of the affiliation agreement*

d. *The number and proximity of affiliates should assure interaction between faculty and program officials.*

e. *When additional affiliations are negotiated, or significant changes are made in existing affiliations, a copy of the new document should be submitted to the NAACLS Executive Office. When clinical affiliations are changed, the specific form for this purpose should be obtained from the NAACLS Executive Office and submitted for approval within 30 days.*

4. Institutions requesting accreditation for more than one level of laboratory generalist educational program must provide evidence from the directors and faculty that each program will be conducted at the appropriate level without compromising the other(s).

a. *Consideration may be given by NAACLS to applicant institutions for more than one general program if the following minimal criteria are met:*

  1. *Clinical facilities with 500 or more beds, 15,000 or more annual discharges; or performing laboratory services equivalent in volume and variety of determinations*
  2. *Separation of instruction of the different levels of students*
  3. *Appropriate educational objectives for the different levels of students*

b. *Programs such as those in cytotechnology, histology, specialist blood banking, clinical chemistry, microbiology, hematology, and public health are considered special programs, and not necessarily subject to the above criteria.*

5. The accreditation granted to a college, university, or hospital-based program will specify the student capacity. Prior approval by CAHEA through NAACLS is required for an increase.

Forms for documenting evidence in support of increased student capacity are available from the NAACLS Executive Office. These forms should be submitted to NAACLS for review by the Medical Technology Review Committee in preparing the recommendation to be submitted to CAHEA.

II. PROGRAM RESOURCES

6. Resources for continued operation of the program shall be assured through institutional support. Student fees must not be the sole support of the program.

a. *The practice of maintaining complete records of budget allocations and expenditures for the program is encouraged.*

b. *Regular departmental budget allocations for the program may be supplemented by grants or other external sources of funds.*

7. The resources for student instruction must include:

A. Sufficient space, equipment, clinical material, and personnel to accomplish all teaching responsibilities for no fewer than 10 students per year.

a. *Programs now in operation not meeting these requirements are encouraged to affiliate with other programs and/or a college or university to meet the minimum student enrollment and to have access to resources that enhance program quality.*

b. *Exceptions will be made for those existing programs whose approved student capacity is less than ten provided they maintain academic standards acceptable to NAACLS and CAHEA.*

c. *Sufficient space and clinical material may be equivalent to that normally provided by a general acute-care hospital of 250 beds and 7,500 annual discharges.*

d. *Equipment should include a sufficient amount and variety of non-automated equipment that students may use for learning experiences independent of the service work of the laboratory. Current automated and/or semi-automated instruments should be available for student learning experiences and practice.*

e. *A student laboratory is recommended for teaching* *manual techniques, instrumentation, problem-solving procedures not available in the clinical facility and special projects.*

f. Clinical experience in more than one laboratory facility is acceptable.

B. Current reference material, texts, and scientific periodicals pertaining to laboratory medicine should be readily accessible to students.

"Current" is defined as copyrighted within the last five years.

C. Appropriate demonstration and multimedia instructional material.

a. Demonstration material should include a wide range of the following types:

1. Normal and abnormal peripheral blood and bone marrow specimens

2. Specimens of parasites, ova, and stained preparations of parasites

3. Normal and abnormal microscopic urine sediments

4. Stock cultures for bacteriology and mycology

5. Normal and abnormal sera for immunohematology, chemistry and serology

b. Multimedia instructional material may include the usual range of hard- and soft-ware.

c. Case-study materials which demonstrate various disease processes and support understanding of patient's problems should be utilized.

8. Satisfactory information and/or records must be kept including:

A. Evidence of adequate clinical material for an educational program.

Evidence may be documented by records showing the number and types of laboratory determinations performed in the service component annually.

B. Evidence of satisfactory performance in both internal and external quality control programs.

Evidence may be documented by:

a. The types of control materials used

b. Descriptions of quality control policies and practices

c. Satisfactory performance on a recent external quality control survey

III. FACULTY

9 A. The program must have qualified persons designated as program officials. Two of the program officials must fulfill the qualifications stated in 9 B. 1 and 9 B. 2. The functions and duties of the program officials are as follows:

1. Develop, organize, administer, review, revise and direct the educational program. Program officials shall ensure appropriate instruction in all areas of the educational program.
2. Document participation in courses or continuing education programs which are acceptable to CAHEA and NAACLS and have been shown to provide adequate and appropriate training in the area of curriculum design and teaching techniques.
3. Provide a planned program for continuing education including educational methodologies for all instructional faculty.
4. Provide liaison between the educational program and the administration of the laboratory or institution in which part or all of the program is housed.
5. Provide input into all policy and budget matters which affect the educational program and the laboratory or institution in which part or all of the program is housed.
6. Assure the medical relevance of the program.

a. The titles identifying the program officials may vary according to the institution and the specific program responsibilities to be assumed by the individual. Examples of commonly used titles are: program director, medical director, department chairperson, education director, medical advisor, education coordinator, dean.

b. The program officials should be identified by name and title in all program documents.

c. The planned program in continuing education for instructional personnel should be designed to develop and augment the knowledge, skills, and abilities of the instructional staff or faculty member in both his own professional specialty and in teaching. These continuing education activities should be relevant to the role and/or professional specialty.

B. The qualifications for at least two program officials must be:

1. A physician who is qualified in clinical pathology or who has education and experience acceptable to NAACLS and CAHEA.

Qualifications for the physician may include certification by the American Board of Pathology, or formal residency training in clinical pathology. Documentation in continuing broad education in laboratory medicine should be maintained.

2. A qualified medical technologist who has education and experience acceptable to NAACLS and to CAHEA and who has a masters or doctoral degree and at least three (3) years of experience in medical technology education. Medical technologists who are certified and who are without advanced degree(s) shall qualify if they have five (5) post-baccalaureate years of experience in medical technology education acceptable to NAACLS and CAHEA.

If an individual is not certified in the areas prescribed in this Essential, nor eligible for such certification, the curriculum vitae should emphasize education in laboratory medicine and experience in medical technology education.

C. The division of duties between individuals responsible for the program must be clearly established in writing.

a. When two individuals share responsibilities as program officials, the official designated to receive correspondence from NAACLS and CAHEA should be identified.

b. Examples of responsibilities of program officials are as follows. Appropriate delegation and/or participation by faculty in these activities may be expected.

1. Development of, validation of, and revision of program objectives when appropriate.

2. Implementation of admission policies.

3. Curriculum development.

4. Implementation of student evaluation procedures.

5. Recruitment.

6. Public relations, including preparation of catalogues, brochures, or other materials relating to the program.

7. Planning and implementation of a program to ensure ongoing instruction in curriculum design, teaching techniques, and current laboratory techniques for all personnel involved in instruction.

8. Maintaining student records.

9. Student counseling.

10. Input into the preparation of the program budget.

11. *Providing liaison between the educational program and the institutional administration.*
12. *Ensuring the medical relevance in the student's educational experience. This may be accomplished in a variety of ways including lectures, seminars, clinical conferences.*

D. Program officials should be able to document freedom from service and other responsibilities to accomplish all the day to day teaching, educational and administrative duties and responsibilities of these positions.

Documentation of freedom from service and other responsibilities may be through detailed job descriptions, mutual agreements written and signed by program officials, or other comparable documents.

Program officials, faculty, students, and institutional administrative officers may be asked to verify the accuracy of such documents.

E. Program officials shall have an academic faculty appointment either in the sponsoring institution or an affiliated institution.

The faculty appointment may be a regular one, a non-salaried clinical or courtesy appointment, or adjunct appointment, depending on the regulations of the academic institution, and should specify the rank. Individuals holding such appointments should include this information in their curriculum vitae. Whenever possible, faculty appointment for other members of the instructional staff should be encouraged.

10. Accredited university of college-based programs must have a faculty member who is a qualified medical technologist whose assigned responsibility it is to supervise the structured experiences of the students in each clinical facility. The medical technologist must be free from other responsibilities to perform all assigned duties and functions, attend regular faculty meetings as scheduled by the accredited program, and attend necessary courses and/or continuing education programs as required by the sponsoring institution.
    - a. *The specific title of the individual who supervises the structured educational experiences in each clinical facility may vary. The most frequently used title has been education coordinator.*
    - b. *The credentials of this individual should satisfy the academic instituion's criteria for faculty appointment, either in a regular or special title series.*
    - c. *Documentation of freedom from service to allow for performance of the required duties may be through detailed job description, written agreements between program officials, or other comparable documents.*

11. Faculty, lecturers and/or clinical instructors must demonstrate, on a continuing basis, by education, certification, or experience, the ability to contribute information and/or teach skills at the medical technology (baccalaureate) level.
    - a. *Qualifications for lecturers and/or instructors should be reviewed by program officials and identified in writing in the program's operational documents.*
    - b. *Lecturers and clinical instructors should have adequate and appropriate education in the areas of curriculum design and teaching techniques, as well as in the area of their professional specialty.*
    - c. *Evidence of participation in courses and/or continuing education activities may be through a variety of means:*
        1. *Academic transcripts*
        2. *Official recording of continuing education units (CEU) granted by educational institutions, health care institutions, professional organizations, etc.*
        3. *Manuals, notebooks, textbooks, and other instructional materials identified with specific continuing education programs or activities.*
    - d. *Adequate and appropriate training in the area of curriculum design and teaching techniques should be reflected in the program itself, its evaluation of its own strengths and weaknesses in these areas, and its on-going efforts at self-improvement.*

12. The clinical laboratory facility must demonstrate that the number of technologists is adequate to meet both service and teaching responsibilities. When students are present in the clinical laboratory, there shall be technologists or otherwise acceptable qualified personnel designated to be responsible for supervising their education.
    - a. *The designation of specific technologists for responsibility in supervising student education may be accomplished by job descriptions detailing their specific educational responsibilities.*
    - b. *Student laboratories should have a student/faculty ratio of 10:1.*
    - c. *Clinical laboratory assignments should not exceed a ratio of 2 students to each instructor in any rotation.*

13. Criteria for selection of faculty must not discriminate with respect to race, color, creed, sex, age, or national origin.

IV. STUDENTS

14. Criteria used for selection of students must be established in written form and must not discriminate with respect to race, color, creed, sex, age, or national origin.
    - a. *The admission policies should be based on established criteria that are necessary to assure admission of students who are prepared for the educational program.*
    - b. *Quantitative criteria may include specified standards for minimum grade point average, completion of courses in specified subject content areas, scores on standardized tests (provided the aptitudes tested are clearly related to the functions of the medical technologist), qualifying examinations, or specified prior experience.*
    - c. *Qualitative criteria may include specified standards established for scores and/or ranking based on interviews, recommendations, and statements of career goals written by the applicant.*

15 A. The necessary prerequisites for admission to a hospital-based program must be established and published by each program and shall include the following as MINIMUM requirements for admission:

CHEMISTRY*

16 Semester hours or 24 quarter hours credit.

Organic and/or biological chemistry must be included.

BIOLOGICAL SCIENCE*

16 Semester hours or 24 quarter hours credit.

Microbiology (including bacteriology) is required; immunology must be included either as a separate course or as another course, e.g., microbiology.

MATHEMATICS**

A minimum of one course in college level mathematics is required.

* The content of chemistry and biological science courses must be aceptable toward a major in those fields or in medical technology, or be certified by the college/university as equivalent. Survey courses do not qualify as fulfillment of chemistry and biological science prerequisites.

** Remedial mathematics courses will not satisfy the mathematics requirement.

a. *Programs should specify in writing in their program publication, those academic requirements other than the minimal requirements listed above, which will be considered for admission. These additional requirements may vary, depending on the characteristics of individual programs, the preferences of faculty and the various affiliates, and need of students.*

b. *In lieu of a college course, a student may fulfill the mathematics requirement by achieving a minimum B average in three years of high school mathematics with ACT or SAT scores above the 75th percentile (national norm), or a score above the 50th percentile in any one of the CLEP mathematics examinations.*

B. Prerequisites for admission to a university or college-integrated program are the responsibility of that institution.

C. The minimum requirements in chemistry, biological science and mathematics listed above must be included within the total curriculum of an integrated program.

D. Before admission to a hospital-based program, a student must have completed all pre-clinical medical technology courses required by that program and must be eligible for a baccalaureate degree at the completion of the clinical program.

E. Individual applicants who met CAHEA's accredited program minimum requirements seven or more years before application must update their academic preparation in a manner acceptable to NAACLS.

The requirement for updated academic preparation may be satisfied in one of the following ways:

a. *Courses in microbiology and biochemistry acceptable toward a major, or certified by the college or university as equivalent, earning a grade of C or better on completion.*

b. *Equivalent credit earned by taking a challenge examination by arrangement with the college/university faculty, in both microbiology and biochemistry, with at least a C grade.*

c. *Enrollment in a university-integrated medical technology program.*

F. Individuals who possess a foreign baccalaureate degree and who wish to enter a CAHEA-accredited program in medical technology must satisfy at least one of the following criteria:

1. Possession of a foreign baccalaureate degree with a major in either chemistry or biology. Course work must meet the requirements specified in these *Essentials* and must be subject to review and evaluation.
2. Possession of a foreign baccalaureate degree in either general studies or in a professional area with a total of 90 academic semester hours or equivalent (exclusive of any practical clinical components), including 24 semester hours or equivalent each in chemistry and biology. The course work must meet the requirements specified in the *Essentials* and must be subject to review and evaluation.
3. Admission to an accredited graduate program in a US college or university whereby the college or university has accepted the foreign degree shall also be acceptable regardless of the declared major. The coursework, however, must meet the requirements as specified in these *Essentials* and must be subject to review and evaluation.

G. CAHEA and NAACLS recommend the use of examinations for specific academic credit wherever feasible to fulfill requirements for admission or to shorten the clinical laboratory experience required to obtain the degree.

16. Admission dates must be established by a hospital-based program and shall not exceed two per year.

17. Students must not be responsible in any significant way for the service function of the clinical laboratory. The staff of laboratory personnel must be adequate to accomplish the work of the department without students being present.

a. *Students should not perform laboratory determinations without competent supervision.*

b. *Students should not take the responsibility nor the place of qualified medical technologists. It is recommended, however, that after demonstrating proficiency in laboratory procedures, students be permitted to perform selected laboratory procedures* under careful supervision *to develop speed, confidence and ability to organize and work efficiently under pressure. Stipends are discouraged, as they tend to imply that service is rendered.*

c. *Students may be employed in the clinical facility outside regular educational hours provided the work is limited so it does not interfere with regular academic responsibilities. The work should be voluntary, paid, and on-site directly supervised, and should only occur after the student has demonstrated sufficient competence to work in the area he/she requests.*

18. Satisfactory records of student performance must be kept.

The student's file should contain:

1. *a completed application form*
2. *copy of official college transcript(s)*
3. *evaluations*
4. *summaries of any specific counseling and/or advising conferences signed by the student*

NOTE: Federal law requires that these student files be open to the student at his/her request and that release of information is prohibited except with written consent of the student.

The program should maintain the student records for a reasonable period of time (e.g. 10 years) and should conform to any state laws relating to this area. Ideally the student files should be maintained permanently, intact or microfilmed.

19. Health care and hospitalization shall be avilable to students.

a. *Every precaution should be taken to prevent or remedy any health hazard in the laboratory.*

b. *The health services of the college and hospital should be available to the students. Emergency health care should be provided.*

c. *Hospitalization for a limited time should be made available by the hospital or college student health service, either directly, or through hospitalization insurance.*

V. CURRICULUM

20. The curriculum shall consist of a structured educational experience adequate to meet the approved objectives of the program.

a. *The program objectives should include:*
   1. *An outline of educational commitments to the students*
   2. *A set of descriptions of the graduate's job-entry level competencies*

b. *The program objectives should be reflected in course objectives, learning experiences provided, and methods of evaluation.*

c. *Program objectives as defined above are subject to NAACLS approval.*

d. *The length of the program depends significantly on its organizational structure. As a general rule, at* *least one calendar year of structured professional instruction has been necessary to achieve program objectives.*

21. An outline of the complete curriculum including a structured clinical laboratory experience must be filed with NAACLS.

A complete curriculum consists of the course of study of the accredited program. If the accredited program is less than four years, a list of prerequisite courses should be included in the curriculum.

22. The curriculum must include all the major subject areas commonly offered in the modern clinical laboratory services. Each course must be fully described including the objectives, lecture outlines and schedules, and laboratory experiences and/or exercises.
    a. *The curriculum should include:*
        1. *Principles of representative procedures and instruments*
        2. *Clinical significance of laboratory procedures in diagnosis and treatment*
        3. *Principles and practices of quality control*
        4. *Principles of laboratory management, supervision, and problem-solving*
        5. *Principles of methods of instruction*
    b. *Joint educational experiences should be arranged with medical, dental, nursing, and allied health students whenever possible, to advance the team concept of health care. This should include the use of actual patients with the focus on patient care, utilizing clinical settings and/or case histories.*
    c. *Objectives are clear statements that describe instructional intent in measurable terms of desired learning outcomes. They describe what the student must do to demonstrate that he/she has achieved what is expected.*

23. An up-to-date publication that includes a description of the program and curriculum must be available.

The publication should include the following items:

1. *Admission criteria, both academic and non-academic*
2. *A list of the course descriptions*
3. *Names, academic rank (or title) of the program officials and faculty*
4. *Tuition and fees with refund policies*
5. *Causes for dismissal*
6. *Rules and regulations, including appeal process*
7. *Description of clinical facilities.*

24. Student evaluation procedures must be established and include systems to assess knowledge, skills, and affective behavior.
    a. *Evaluation systems to assess student knowledge and skills should be through appropriate written, practical and/or oral examinations based on written objectives covering all types of structured learning experiences.*
    b. *Evaluation systems to assess student affective behavior should be based on specific objectives in this area and documented through observed behaviors over a period of time.*

25. Criteria for pass/fail decisions must be established in writing. Passing and failing student performance must be documented. An appeal mechanism (process) must be established and followed for student grievances.

Students should be fully informed about the methods and data used in determining grades and about the mechanism for appeals. Conditions governing dismissal from the program should be clearly defined in writing and distributed to students.

VI. PROGRAM EVALUATION

26 A. Effectiveness of the educational program must be documented through periodic review of all aspects of the program.
    a. *Significant aspects may be assessed through questionnaires, surveys, interviews or other means with faculty, students, graduates of the program, and employers of the graduates.*
    b. *Review of program objectives, means of implementation, and levels of effectiveness should also involve appropriate individuals who are not affiliated with the program. The self-evaluation document prepared for accreditation purposes is recommended for use in monitoring program effectiveness.*

B. Records of scores on external certifying examination(s) of graduates of the three preceding years must be considered in the self-evaluation.

Such data constitute an important but not singular means of monitoring effectiveness. When examination scores are used for this purpose, identification of individual students must be avoided, in accordance with requirements of privacy laws.

VII. FAIR PRACTICES

27. Programs must meet the professional standards listed in CAHEA policy document "Fair Practices in Education".

VIII. MAINTAINING ACCREDITATION

28. Accreditation shall be withdrawn whenever, in the opinion of CAHEA, the institution does not maintain an educational program in accordance with the *Essentials.* Due process will be observed in all cases.

29. When there is a change of program official(s) the curriculum vitae of the new appointee(s) must be submitted to CAHEA through NAACLS within 30 days after the appointment. The curriculum vitae must describe the appointee(s) educational background and experience in clinical pathology or medical technology.

No new students may be enrolled while a program is without acceptable program official(s).

Students already in the clinical phase of the program may complete the program without jeopardy.

30. The Annual Report requested by CAHEA must be completed, signed by the program official(s) and returned to CAHEA by the established deadlines.

ADMINISTRATION OF ACCREDITATION

The initial accreditation process of the program of study (which includes a site-survey) must be initiated by the express invitation of the chief administrator of the institution or an officially-designated representative. Application for accreditation of a program should be made to:

Committee on Allied Health Education and Accreditation
Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

The program may withdraw its request for initial accreditation at any time prior to final action (even after evaluation).

NAACLS, in cooperation with CAHEA, will periodically resurvey educational programs for consultation and reevaluation. The director of the program being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the visiting survey team, and to comment on its accuracy before final action is taken.

Resurveys may be conducted when a program comes to the attention of the NAACLS Review Board or the committee due to deficiencies or outstanding problem situations. Resurveys may also be conducted or a self-study report required if a program changes its curriculum significantly.

At the request of the chief administrative officer of the institution a resurvey may be conducted. Adverse accreditation decisions may be appealed by the established processes.

Accreditation is withdrawn only after advance notice has been given to the director of the program that such action is contemplated, and the reasons therefore, sufficient to permit timely response and use of the established procedures for appeals and review.

Essentials of an Accredited Educational Program for the Nuclear Medicine Technologist

Initially adopted 1969; revised 1976
Adopted by the
AMERICAN COLLEGE OF RADIOLOGY
AMERICAN MEDICAL ASSOCIATION
AMERICAN SOCIETY FOR MEDICAL TECHNOLOGY
AMERICAN SOCIETY OF CLINICAL PATHOLOGISTS
AMERICAN SOCIETY OF RADIOLOGIC TECHNOLOGISTS
SOCIETY OF NUCLEAR MEDICINE

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS
IN NUCLEAR MEDICINE TECHNOLOGY

PREAMBLE

OBJECTIVE

The organizations indicated above have obvious interest and concern in the development of educational programs designed to prepare the nuclear medicine technologist. To organize their concerns and provide an orderly mechanism for both program evaluation and preparation of recommendations on accreditation status, these organizations have established a Joint Review Committee on Educational Programs in Nuclear Medicine Technology. As the agent of the five sponsoring organizations and of the Committee on Allied Health Education and Accreditation (CAHEA) in matters relating to educational programs in nuclear medicine technology, the Joint Review Committee is dedicated to the maintenance of high standards of education. Its membership is comprised of representatives from each of the sponsoring organizations.

The education and health professions cooperate in establishing and maintaining standards of appropriate quality for educational programs in nuclear medicine technology and in providing recognition for educational programs that meet or exceed the minimum standards outlined in these *Essentials*. These standards are to be used as a guide by the Joint Review Committee and program directors.

DESCRIPTION OF THE OCCUPATION

The practice of nuclear medicine includes the utilization of radioactive materials for therapeutic and diagnostic "in vivo" and "in vitro" procedures and any combination thereof. The skills of the nuclear medicine technologist shall complement those of the nuclear medicine physician and other professionals in the field.

The nuclear medicine technologist must be able to perform effectively in three major areas of responsibility:

A. **Patient Care**
   1. Must understand and relate to the patients' concerns and fears about their illnesses and pending diagnostic procedures or therapy.
   2. Must recognize emergency patient conditions and initiate life-saving first aid prior to the arrival of a physician.

B. **Technical Skills**
   1. Prepares and manages quality control of radiopharmaceuticals to patients by intravenous, intramuscular, subcutaneous, and oral methods.
   2. Understands and utilizes radiation detection devices and other laboratory equipment that measure the quantity and distribution of radionuclides deposited in the patient or a patient specimen.
   3. Performs "in vivo" and "in vitro" procedures, understanding these tasks sufficiently well to supplement selected examinations and procedures for the benefit of the patient and to improve the diagnostic quality of the data produced.
   4. Utilizes knowledge of radiation physics and safety regulations to practice radiation safety, thereby limiting the exposure to the patient, the public, and fellow radiation workers to acceptable, minimal levels of radiation.
   5. Is aware of quality control techniques and applies them appropriately to all procedures and products in the laboratory.
   6. Participates in research activities that demand a thorough knowledge of the many facets of nuclear medicine.

C. **Administrative Functions**
   1. May supervise other nuclear medicine technologists, laboratory assistants, and other personnel.
   2. Participates in the procurement of supplies and instrumentation required to operate the facility.
   3. Records all operations of the laboratory including the receipt and disposition of radioactive materials, instrument and procedural quality control data, patient procedures, and medical records.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Junior and senior colleges, universities, and technical vocational institutes
B. Hospitals and clinics
C. Medical schools

The institution must be accredited or otherwise acceptable to the Committee on Allied Health Education and Accreditation (CAHEA).

Colleges, universities, and technical vocational institutes without clinical facilities must have appropriate clinical affiliations.

II. INSTRUCTIONAL FACILITIES

A. **General**—Adequate classrooms, laboratories, and clinical facilities must be provided.

B. **Laboratory**—Appropriate modern equipment and supplies for directed experience must be available in sufficient quantities for full participation by the individual student.

C. **Library**—A library must be readily accessible and contain an adequate supply of current reference volumes, periodicals, and other material related to the curriculum.

III. CLINICAL FACILITIES

A. The clinical phase of the educational program must be conducted in a broad clinical setting under competent medical direction.

B. In the clinical teaching environment, an effective ratio of students to clinical instructors must be maintained.

C. The type and quanitity of nuclear medicine procedures must be adequate for the clinical training of the student.

D. The clinical facility must have adequate quantity and varieties of nuclear medicine instrumentation to allow for student instruction.

E. Where classroom and clinical instruction are not provided in the same institution, accreditation will be granted to the sponsoring institution, as identified by established criteria. However, responsibility for quality of the total teaching program must be shared by both institutions involved (i.e., college and hospital).

IV. FINANCES

A. Financial resources for continued operation of the educational program must be assured through regular budgets.

B. The institution shall not charge excessive student fees.

C. The sponsoring institution or its clinical affiliates must not substitute students for paid personnel to conduct the work of the clinical faculty.

V. ADMINISTRATORS AND FACULTY

A. **Educational Directors**

The educational direction shall be assumed by a physician, nuclear medicine technologist, or other allied health personnel (i.e., physicist, professional educator).

Every program must have a qualified medical director and nuclear medicine technologist director responsible for the clinical training, and program coordination and for the organization, administration, periodic review, continued development, and general effectiveness of the program.

B. **Medical Director**

The medical director must be a physician qualified in the use of radionuclides and a diplomate of the American Board of Nuclear Medicine, of the American Board of Radiology (in the area of nuclear radiology), or of the American Board of Pathology (in the area of radioisotopic pathology) or be otherwise acceptable to the Committee on Allied Health Education and Accreditation.

C. **Technologist Director**

The technologist director shall devote full time to the laboratory where the educational program is conducted. The technologist must be certified in nuclear medicine technology by the American Society of Clinical Pathologists Board of Registry or the American Registry of Radiologic Technologists. This technologist must have at least three years of experience at a combination of staff and senior nuclear medicine technologist levels and shall have education and experience embracing methods of instruction, educational psychology, and human relations.

D. **Faculty Appointments**

If the clinical facility is not an integral part of the institution initiating the program (i.e., university, technical vocational institution), the physician, technologist director, and instructors shall be members of the faculty or staff of the sponsoring institution.

E. **Change of Director**

If any of the directors of the educational program are newly appointed, immediate notification must be sent to the AMA Department of Allied Health Evaluation. The curriculum vitae of the new directors, which should include details of training, education, and experience in the field, must be submitted. If the new director's credentials are satisfactory, accreditation of the program will be continued.

F. **Teaching Staff**

The instructional staff must be qualified through academic preparation and experience to teach the subjects assigned. Faculty shall have adequate and appropriate training in the areas of curriculum design and teaching techniques. The staff shall include at least one instructor who is certified in nuclear medicine technology and actively engaged in the clinical practice of nuclear medicine technology. A planned program for the continued education for the faculty shall be provided.

G. **Advisory Committee**

For programs involving more than a single institution, an advisory committee must be appointed to assist the directors in continuous program development and evaluation, in faculty coordination, and in ensuring effective clinical relationships. Programs having minimal or no extra-institutional activities shall provide for periodic review and updating of program standards and curriculum content by the director and institutional staff.

VI. STUDENTS

A. **Selection**—In colleges, universities, and technical vocational institutes, selection of students shall be made in accordance with the generally accepted practice of the institution. Directors of the clinical aspects of the program shall be involved in the selection. In hospital-sponsored programs, selection of students must be made by an admissions committee of individuals responsible for the program. Admissions data shall be on file at all times in colleges, universities, or hospitals sponsoring the program.

B. **Admission Requirements**—Persons admitted into nuclear medicine technology programs shall have completed high school or its equivalent and have completed post-secondary courses in the following areas:

1. Anatomy and physiology
2. Basic physics
3. Basic mathematics
4. Medical terminology
5. Oral & written communications
6. General chemistry
7. Psychology and sociology
8. Medical ethics and jurisprudence

Under unusual circumstances some of the prerequisites may be completed during the year of nuclear medicine training.

Qualified medical technologists [MT(ASCP) or eligible], radiographers [RT (R) (ARRT) or eligible], and registered nurses [RN], are presumed to have the necessary credentials to meet the entrance requirements.

Educational institutions such as junior colleges, universities, and technical vocational institutes may provide these prerequisite courses as part of an integrated program in nuclear medicine technology (i.e., 2 to 4 years). In these programs, educational institutions are encouraged to provide such basic elements of a general education as are necessary to qualify the students for an associate or bachelors degree.

C. **Health**—Applicants shall be required to submit evidence of good health. Student health service shall be available for evaluation and maintenance of the student's health. When students are learning in a clinical setting or a hospital, the hospital or clinic shall provide students with the protection of the same physical examinations and immunizations as are provided to hospital employees working in the same institution.

VII. STUDENT RECORDS

Satisfactory records of student performance in the educational program shall be maintained. Monthly and annual reports of the department must be prepared and available for review. Records shall include the following:

A. Transcripts of high school and college credits and other pre-admission credentials.
B. Certification by a physician as to the candidate's good health upon admission.
C. Record of class and laboratory participation and accomplishment of each student in accordance with requirements of the institution.
D. Attendance and grades.
E. Record of clinical performance under supervision.

VIII. PROFESSIONAL CURRICULUM

A. Length

1. General—The structure of the curriculum shall be based on not less than one calendar year of full-time study. This is to provide didactic content of appropriate scope and depth as well as clinical experience of sufficient variety to develop needed knowledge and skills.
2. Innovative Programs—Performance objectives for all phases of curriculum and for graduation shall be clearly defined in terms of measurable behavior. Therefore, the curriculum may also be structured to allow students to progress at an individual pace. This will provide an opportunity for students to meet performance standards specified for graduation in less than normal curriculum length as well as provide an opportunity for students who require more time to extend the length of their instructional program. *Students completing the program in less than one year must be advised of current requirements of national certifying bodies.*

B **Structure**—Instruction should follow a planned outline which includes:

1. Assignment of appropriate instructional material.
2. Classroom presentations, discussions, and demonstrations.
3. Supervised clinical experience.
4. Examinations, oral and written, for didactic and clinical aspects of the program.

C. **Content**

1. Patient care
2. Nuclear physics
3. Instrumentation and statistics
4. Health physics
5. Biochemistry
6. Immunology
7. Radionuclide chemistry
8. Radiopharmacy
9. Administration
10. Radiation biology
11. Clinical nuclear medicine—"in vivo" and "in vitro" studies
12. Radionuclide therapy
13. Introduction to computer application/operation or data manipulation

D. **Records**—Complete curriculum shall be kept on file including rotation of assignments, lists of instructional aids used to augment the learning experience of the student, copies of the course outlines, and class schedules. Directed experience and teaching plans shall be kept on file and available for review. Copies of the practical and written examinations should be maintained and continually re-evaluated.

IX. EDUCATIONAL OBJECTIVES

After participation in the program, each student must be expected to have attained a certain level of knowledge and understanding that is consistent with specific performance objectives. Following is a minimal list of objectives.

A. **Physical Science.** The technologist must demonstrate a fundamental knowledge and understanding of the following:

1. Elementary aspects of the structure of matter with special emphasis on the composition, stability, and energy levels of atomic nuclei.
2. Modes of radioactive decay with special emphasis on Beta decay, electron capture, metastable states, and internal conversion.
3. Particle and photon radiation accompanying radioactive decay with special emphasis on photon radiation.
4. Interactions of radiation with matter, with special emphasis on photoelectric and Compton interactions.
5. Radiation detectors with special emphasis on scintillation and semi-conductor detectors for photons.
6. Collimated radiation detectors with special emphasis on the characteristics of flat-field, focused, and parallel-hole diverging, and of pin-hole collimators in response to point, line, and plane sources.
7. Electronic instruments such as amplifiers, pulse-height analyzers, scalers, count-rate meters, and computers.
8. Statistics of counting random events.
9. Mathematical operations, including logarithms and exponential functions.

B. **Radiation biology and protection.** The technologist must demonstrate a fundamental knowledge and understanding of:

1. Biologic effects of radiation exposure.
2. Administrative and technical means of reducing unnecessary radiation exposure to patients, personnel, and the environment.
3. Techniques of measuring levels of radioactive contamination and technique of decontamination.
4. Government regulations regarding exposure and material handling.

C. **Radiopharmaceuticals.** The nuclear medicine technologist must be able to demonstrate knowledge and understanding of radiopharmaceuticals in the following specific areas:

1. Production of radionuclides by reactors and particle accelerators, the use of radionuclide generators, the concept of specific activity and the special chemical characteristics of the carrier-free state.
2. Formulation of radiopharmaceuticals, including general techniques of preparing agents used in the nuclear medicine laboratory; and quality control procedures, including tests for radiochemical purity, quanitative assay, sterility and pyrogens.

3. Operation of electronic equipment appropriate for radioassay and quality control.
4. Understanding of biochemical and physiological properties or radiopharmaceuticals including the mechanism of localization.

D. **"In vivo" procedures (imaging and "in vivo" laboratory work).** The technologist must demonstrate knowledge and understanding of:

1. Stationary and moving radionuclide imaging devices.
2. Stationary imaging including imaging of brain, cerebral spinal fluid spaces, thyroid, lung, heart, liver, spleen, kidney, bones, and other organ systems.
3. The use of single and multiple detectors for time-dependent studies such as cerebral blood flow, thyroid uptake, cardiac output, differential renal function.
4. Body composition tests such as blood volume, and red blood cell volume.
5. Erythrokinetic studies including red cell production and destruction and quanitfication of blood loss.
6. Gastrointestinal absorption studies of substances such as iron and vitamin B12.
7. Gastrointestinal loss studies such as proteins, blood.

E. **"In vitro" procedures.** The technologist must demonstrate knowledge and understanding of:

1. The hazards of working with toxic chemicals, infectious biologic materials, and radionuclides, with special awareness of proper handling and disposal of such materials.
2. Common laboratory instruments and equipment including pipets, centrifuges, pH meters, analytical balances, calculators, and scintillation counters.
3. The principles of saturation analysis and competitive protein binding assays in order to follow a protocol, with an appreciation of the indications for and limitations of the technique, including procedures such as principles of physiology and biochemistry pertaining to specimen collection and analyses.
4. A good laboratory quality assurance program, including establishment of such a program and appreciation of the necessity of maintaining adequate laboratory records.

F. **Therapeutic uses of radionuclides including knowledge and understanding of:**

1. More common therapeutic applications of radionuclides, dose ranges for each indication, and proper techniques for calculating quantities of administered radiopharmaceuticals.
2. Special problems of patient care, radiation safety, and follow-up.
3. Special problems of handling excreta from such patients.

X. ADMINISTRATION

A. **Catalog**—An official publication including a description of the curriculum shall be issued at least biennially. It shall include information regarding the organization of the program, a brief description of required courses, names and academic rank of faculty, entrance requirements, tuition and fees, and information concerning hospitals and facilities used for directed experience. The catalog must also include information about the current accreditation status of the program.

B. **Accreditation**—Evaluation, including survey team visits, of a program of study can be initiated only by the express invitation of the chief administrator of the sponsoring institution or his officially designated representative.

C. **Withdrawal**—The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation and collaborating organizations may withdraw accreditation whenever the educational program is not maintained in accordance with the standards outlined above, or when there are no students in the program for two consecutive years. Accreditation may be revoked only after notice in time to review and respond has been given to the chief administrative officer of the sponsoring institution and program director indicating that such action is contemplated and providing reasons therefor.

D. **Reevaluation and Review**—The program director and chief administrative officer are given the opportunity to become acquainted with the factual part of the report prepared by the visiting team and to comment on its accuracy before final action is taken. At the request of the institution, a resurvey may be made. Accreditation decisions may be appealed by letter to Committee on Allied Health Education and Accreditation.

E. **Reports**—An Annual Report must be made to the Committee on Allied Health Education and Accreditation and collaborating organizations through the Joint Review Committee on Educational Programs in Nuclear Medicine Technology. A report form is provided and should be completed, signed by the director of the educational program, and returned promptly.

F. **Resurvey**—The AMA and collaborating organizations will periodically resurvey educational programs for consultation and evaluation.

Essentials and Guidelines of an Accredited Educational Program for the Occupational Therapist

Essentials initially adopted 1935; revised 1943, 1949, 1965, and 1973
Adopted by the
AMERICAN MEDICAL ASSOCIATION
AMERICAN OCCUPATIONAL THERAPY ASSOCIATION, INC.

Program Review Committee
ACCREDITATION COMMITTEE

> *Essentials,* which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
>
> Guidelines, explanatory documents which clarify the *Essentials,* are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials.*

PREAMBLE

OBJECTIVE

These *Essentials* are to be used for the development and self-evaluation of occupational therapy educational programs for the first professional degree in occupational therapy, i.e., baccalaureate, post-baccalaureate certificate and masters. The educational institution offering an educational program in occupational therapy assumes responsibility for ensuring that the established *Essentials* contained herein will be met and maintained. On-site surveys are made by the appropriate recognized bodies and lists of accredited programs are published for public information.

Appropriate utilization of this document in the planning and implementation of an occupational therapy education program should

A. assure the competency of the entry level therapist who successfully completes the program
B. provide a guide for quality education consistent with the professional standards of occupational therapy and the standards of the institution of higher learning
C. assist in the development of a new educational program to meet accreditation standards.

DESCRIPTION OF OCCUPATIONAL THERAPY

Occupational therapy is the art and science of directing man's participation in selected tasks to restore, reinforce and enhance performance, facilitate learning of those skills and functions essential for adaptation and productivity, diminish or correct pathology and to promote and maintain health. Reference to occupation in the title is in the context of man's goal-directed use of time, energy, interest and attention. Its fundamental concern is the development and maintenance of the capacity throughout the life span, to perform with satisfaction to self and others those tasks and roles essential to productive living and to mastery of self and the environment.

Since the primary focus of occupational therapy is the development of adaptive skills and performance capacity, its concern is with factors which serve as barriers or impediments to the individual's ability to function, as well as those factors which promote, influence or enhance performance.

Occupational therapy provides service to those individuals whose abilities to cope with tasks of living are threatened or impaired by development deficits, the aging process, poverty and cultural differences, physical injury or illness, or psychologic and social disability.

Occupational therapy serves a wide population in a variety of settings such as hospitals and clinics, rehabilitation facilities, long-term care facilities, extended care facilities, sheltered workshops, schools and camps, private homes, housing projects, and community agencies and centers. Occupational therapists both receive from and make referrals to the appropriate health, educational or medical specialists.

The functions of occupational therapists are to:

A. serve the individual client or patient by:
    1. evaluating his performance capacities and deficits;
    2. selecting tasks or activity experiences appropriate to his defined needs and goals;
    3. facilitating and influencing his participation and investment;
    4. evaluating his response, assessing and measuring change and development; and
    5. validating assessments, sharing findings and making appropriate recommendations.
B. provide consultative services in relation to the profession and its functions.
C. provide administrative and supervisory leadership for occupational therapy programs.
D. facilitate and participate in community health care planning and activities.
E. promote, plan, implement and conduct research for the benefit of the public and the growth of the profession.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

An occupational therapy education program shall be located in any of the following settings

A. A college or university accredited by its regional association of colleges and secondary schools authorized to grant the baccalaureate or higher degree and affiliated with accredited hospital(s) and/or community health care programs, facilities and agencies

B. A medical school approved by the appropriate bodies, and having a liberal arts college affiliation, affiliation with accredited hospital(s) and/or community health programs, facilities and agencies

C. In conjunction with a graduate school meeting the institution's criteria; and affiliated with accredited hospital(s) and/or community health care programs, facilities and agencies.

II. FIELD WORK EXPERIENCE

Supervised field work experience shall be an integral part of the educational program. Location of field work experience must permit consistent integration within the educational process. These experiences must be conducted in settings meeting measurable objectives under the direction of qualified and competent supervisory personnel.

There are two levels of field work experience:

a. The first level includes those experiences designed as an integral part of didactic courses for the purpose of initial and basic experiences in directed observation and participation in selected field settings. The emphasis of these placements should be on experiential learning as opposed to performance. There must be measurable objectives for these experiences and supervision shall be provided by qualified competent personnel, who may or may not be occupational therapy personnel. These experiences are necessary to enhance initial learning of basic material and are not to be considered substitutes for or part of the sustained field work experience as defined in b. below.

b. The second level is a supervised field work placement which is on-going and in which the emphasis is on the application of an academically acquired body of knowledge. The purpose is to provide in-depth experience in and responsibility for the delivery of health care services to patients/clients. A minimum of six months is required. (See IX.G.5.)

Arrangements for placing students in field settings should include a written agreement which clearly defines the rights and responsibilities of the educational program, the field setting and the student. Agreements may be letters, contracts, signed information forms and the like.

Consistent integration can be demonstrated through a stated policy describing frequency of on-site visits, written and/or verbal communication, consultation with other curricula using the center, and reports from the students.

III. STANDARDS OF ETHICAL PRACTICE

There shall be a published statement of the standards of ethical practice observed in the college or university. This shall be supplemented by a similar statement applying to the practices of the academic and field work experience programs in occupational therapy.

These statements should have as their purpose the protection of the rights, privileges and responsibilities of the faculty, students and institution during the educational process as well as the graduates' responsibilities in provision of service to the consumer. It should also define the students' and the institution's rights in regard to matters such as admission, withdrawal, remission of fees, discontinuance and due process.

IV. FACILITIES

Facilities shall be adequate to support the educational program.

A. A laboratory must be permanently assigned for the exclusive use of the occupational therapy program. The size must be sufficient to accommodate the number of students, the necessary equipment and the activity process. Additional classrooms and seminar space must be adequate to meet the requirements of the program.

At least one basic laboratory must be provided for instruction in occupational skills and treatment techniques. "Exclusive use" refers to priority scheduling by the occupational therapy department. University Space Planning *by Bareither and Schillinger recommends 60–100 square feet per student, excluding offices and hallways.*

A study-lounge should be provided for occupational therapy students. One seminar room should be provided for discussions. Additional classroom space required for lectures and laboratories, if not specifically provided for the occupational therapy curriculum, may be used on a shared-plan basis with other departments.

B. Faculty, staff and administrative offices must allow for efficient operation of the educational program. It is essential that space be available for private counseling of students by all faculty members.

It is important that administrative office space be designated for the sole use of occupational therapy staff. Each full-time faculty member should have adequately equipped office space. For efficient operation of the educational program, it is strongly recommended that the director have a private office.

C. Appropriate, modern equipment and supplies must be available for effective teaching/learning.

Sufficient modern equipment and supplies are necessary to adequately and safely carry out the objectives of the curriculum. This includes such items as audiovisual, rehabilitation and power equipment.

D. A library must be accessible, containing current standard texts, scientific books, periodicals and other reference materials.

Full privileges of the library should be available to the occupational therapy department and its students. There should be adequate budgetary provision for the purchase of pertinent reference material to support occupational therapy education.

V. FINANCES

Finances shall be sufficient to support the educational program.

A. The budget must be sufficient to develop and maintain the educational program. Funds must be available through regular university budgets.

Institutional financial support is necessary for salaries of administrative, supportive and instructional personnel, for educational and office supplies and equipment, for staff travel to coordinate field work experience, for consultative services, for continuing education to maintain faculty competence, and for student and alumni activities. Additional financial support may be secured via gifts, endowments and grants.

B. The director of the educational program must have primary involvement in budget planning and expenditure. The director must be fully informed of institutional fiscal policies and procedures.

Budget planning should be done by the director of the occupational therapy program together with the appropriate executive officer. The occupational therapy director should have responsibility for program budget control.

VI. FACULTY

In the initial planning and developmental stages of the program in occupational therapy, the staff shall consist of the director and at least one full-time, qualified instructor, both of whom must be registered occupational therapists. They shall hold academic rank in the educational institution commensurate with the position(s) to which appointed. A planned program for their continuing professional growth must be encouraged by the institution with a concurrent commitment by the individual faculty members.

The planned program for continuing professional growth has as its objective maintenance of competence and increased expertise. It may be accomplished using regular university channels such as sabbaticals, assistantships, and tuition adjustments.

Provision should be made for academic faculty to retain contact with occupational therapy practice through participation in educational programs and workships, research in the area of specialty, consultative appointments, and direct involvement with delivery of occupational therapy services.

A. Director of Educational Program

The director must be employed at least one year in advance of the date when students will be enrolled in the professional program for the purpose of curriculum planning, faculty recruitment, field placement development and related administrative responsibilities.

1. *Qualifications*

   The director of the educational program shall be a registered occupational therapist with a minimum of five years of relevant professional occupational therapy experience including teaching, direct service and administration. The director must hold the masters or doctoral degree except when special professional experiences can be considered the equivalent by the educational institution.

"Relevant professional occupational therapy experience" should be interpreted as experience evaluated in relation to the responsibilities and focus of the position being filled.

2. *Authority and Responsibilities*

   The director shall have responsibility for the development of the educational program which includes all field work experience. The director shall have continuing authority and responsibility for organization, administration, faculty selection and retention, budget, and continued development, evaluation and periodic review of the program. Consultative services must be sought in the continuing evaluation process.

It is the continuing responsibility of the director of an accredited program in occupational therapy to keep informed of the advances and changes in health care and their relationship to occupational therapy, and to incorporate these advances and changes into the curriculum. It is also the responsibility of the director to be informed of and involved in the academic affairs of the educational institution.

Program directors should utilize consultative services in all areas necessary to the development and implementation of a quality program. Such consultation should include input from occupational therapy students, the public, and relevant others and may take the form of an advisory committee.

3. When the director of the educational program is replaced, immediate notification shall be sent to the accrediting organization(s). The curriculum vitae of the new director, giving details of training, education and experience in the field, must be submitted. These credentials must be acceptable in order that the current accreditation status of the program be continued.

"Credentials" may include job description of the position, curriculum vitae of the individual, job descriptions of relevant previous positions, the curriculum director's statement of philosophy of occupational therapy and statement of educational philosophy.

When the director of the educational program resigns or dies, a notice should be sent to the accrediting organization(s) within 30 days. The curriculum vitae of the new director should be submitted within 30 days of the selection date.

B. Instructional staff

1. By the time students are enrolled in the professional courses, there shall be in addition to the director, the equivalent of at least two full-time registered occupational therapists on the teaching staff. Each staff member must have a minimum of two years experience in practice. Special consideration must be given to the selection of faculty to assure expertise in keeping with the broad areas of content coverage inherent in an occupational therapy education program.

The scope and diversity of occupational therapy practice dictates the need for additional faculty to provide adequate coverage of specialty areas. Important selection criteria include knowledge of the subjects to be taught and ability to organize and present the subject matter to the students in a meaningful way.

2. Registered occupational therapists who are field work experience supervisors must be members of the faculty or extra-mural faculty of the institution. They shall have a minimum of one year practice in the field, must be active members of the educational program's council and involved in or aware of activities serving health care or other societal needs within community based programs.

Competency in field work supervision should be recognized by an official faculty appointment with or without salary, when appropriate, within the policy of the institution. This information should be listed in either the official catalog or in an occupational therapy brochure.

C. Support personnel

There shall be at least one full-time secretary assigned exclusively to the educational program and additional support personnel shall be added as program development requires.

For departmental efficiency it is often expedient to utilize additional supportive personnel such as clerks, laboratory assistants, educational aides and student assistants.

VII. STUDENTS

A. Selection

1. The selection of students for admission to the program and their retention shall be a joint responsibility of the director and the faculty of the program and the appropriate administrative officials of the educational institution.

   Based upon concern for human rights, there shall be no discrimination in the treatment of persons because of race, creed, color, sex or national origin.

It is important to ensure impartiality in the selection of students.

2. Criteria for selection and retention of students shall be predefined, published and available to the public. Criteria for selection of students shall give consideration to inter- and intra-disciplinary career mobility.
3. Admission data shall be on file at all times within the institution.

Admission data may include transcripts, college board scores, high school records and the like. These should be accessible to the occupational therapy faculty.

B. Health

1. Applicants shall be required to submit evidence of good mental and physical health, consistent with the demands of the total educational program.

This information should be submitted in the form that is required by the institution.

2. A student health service shall be available for evaluation and maintenance of students' health requirements. Plans must be made for the provision of emergency medical care during field experience.

This health service should be available for both physical and psychological problems.

C. **Counseling**

1. Counseling in relation to professional course work and field work experience shall be the responsibility of the occupational therapy faculty. Counseling during and pertaining to the field work experience must be a collaborative process between the faculty and the field work supervisors.
2. The educational institution shall provide student guidance services.

Student guidance refers to such services as orientation to the institution, remedial opportunities and aptitude testing. A placement service would be helpful.

D. **Enrollment**

1. For the most effective learning and teaching practices, the number of students enrolled in each class shall be determined by faculty available, proper course sequencing, facilities and field work settings.
2. The number of students enrolled in the educational program shall be determined on the basis of the effective presentation of that content which demands the lowest student-teacher ratio.

"That content which demands the lowest student-teacher ratio" refers to classes where the instructor can handle only a small number of students and adequately achieve the course objectives. Factors to be considered would be faculty teaching load (hours), number of sections of a class which could be offered with faculty available, teaching approaches and methods used and space available.

VIII. RECORDS

Students' records and credentials as required by the educational institution must be maintained within the program's files. Records of students' field work experiences must be maintained. Reports, as may be required by the institution, should be included within the program's official records. Such reports may be available for review at the discretion of the appropriate officials.

A. **Students**

1. Transcripts of high school, college and other credentials must be available.
2. Health records must be kept within the appropriate office, such as a student health center.
3. Academic and field work experience records for each student must be maintained in accordance with the requirements of the institution, accrediting bodies and the professional association.

B. **Educational Program**

1. A complete copy of the current educational program shall be kept on file.
2. Copies of course objectives, course outlines, class schedules and field work schedules shall be on file.
3. Records of student evaluation procedures and instruments shall be on file.

IX. EDUCATIONAL PROGRAM

A. **Length of Program**

The length of the educational program shall be sufficient to meet the professional requirements and degree requirements of the educational institution.

B. **Student Enrichment**

The philosophy underlying the education of occupational therapists is liberal. Students must be provided the opportunity to participate in the design of their individual educational program by deletion and/or addition of requirements.

Deletion may be accomplished by use of proficiency examinations, credit for prior course work and experiences; additions may be accomplished by selection of additional electives, self-directed study and the like.

C. **Planning and Implementation**

Planning and implementation of the educational program shall include

1. A conceptual model utilized as a base for curriculum design

A frame of reference is different from a conceptual model. The frame of reference is inherently subjective, and influences our beliefs in a given area of concern. The conceptual model is knowledge-based objective and specific.

As occupational therapy educators, we are concerned with our collective frames of reference as they affect our philosophical principles (beliefs); for example, frames of reference for O.T. education might include statements about:

1. the nature of man
2. the nature of the profession
3. the nature of the educational process.

A curriculum may incorporate a variety of models of occupational therapy practice. These determine the selection of content within the curriculum. (It will be necessary to answer "what content will be included?")

A conceptual model of the educational process should be used to organize and sequence content and to suggest a variety of non-contradictory teaching approaches which may be utilized. (It will be necessary to answer "How will you go about organizing and presenting content?")

2. Measurable general and specific objectives for each content area and field work experience which define the steps leading to the desired outcome

An objective is a statement which describes a proposed change of behavior in the learner, that is, what the learner is to be able to do when he completes a learning experience. Objectives are of several different levels, the main types are general and specific. General objectives describe broad outcomes and may refer to the total program or units within a program. Specific objectives describe behaviors to be attained in a course, or a specific portion of a course, or field experience. Objectives serve several purposes: they set the scope and limits for what is to be taught and learned; they help the student perceive what is expected of him; and they serve as a guide for evaluation of student achievement and of program effectiveness.

Objectives shall be written and available to students, faculty and appropriate others.

3. Course outlines

Written course outlines shall be developed for each course in the curriculum. Course outlines may be organized in terms of course content or in sequence of subject matter to be taught. It is helpful to include reading requirements, lecturer's name if several instructors are used, and other pertinent information regarding teaching and evaluation methods and materials to be used. Outlines should be developed by the individual responsible for teaching the course, and should be available to students, faculty and appropriate others.

4. Identification of learning experiences and teaching methods

This involves describing the specific activities and methods which are to be used in teaching content, and may include such things as audiovisual materials, role playing, student papers and projects, experiential learning activities, lectures, seminars and the like.

5. Methods, procedures and instruments for evaluating, assessing and measuring the efficacy of program objectives and student learning

Various methods and procedures for evaluation should be utilized for the purpose of measuring student achievement, instructor and program effectiveness. These may include oral and practical examinations, student evaluations of courses and instructors, performance evaluations, course grades and the like. The particular method selected for a course or activity should depend on the means which are most effective for measuring the stated behavioral objectives. Prior to evaluation, the student should be made aware of the criteria and methods which are to be used in measuring performance.

6. Subject matter content developed and taught by persons with recognized expertise in that specific area.

Persons having expertise in given content areas, and who have the ability to communicate this information at the appropriate level should be invited to teach that content. It is the responsibility of the occupational therapy faculty to identify appropriate content focus and the context in which it is to be applied.

D. **Consultation**

Consultative services shall be sought in the curriculum development process.

Sources for consultation in curriculum development may include the AOTA Curriculum Advisory Committee, educators from other disciplines, specialists in educational research and development, occupational therapy faculty of other institutions, students, clinicians, community leaders, consumers, the local occupational therapy association and others.

E. **Interdisciplinary Activities**

The program design shall have enough flexibility to allow for inter- and intra-disciplinary programming and mobility.

F. **Collaboration**

Collaborative relationships and procedures shall be developed to be responsive to the changing needs of society.

Plans and relationships should be devised to provide the faculty with communication from their community relative to needs for health education and care which can appropriately be met in part through the services of occupational therapy.

Continuing methods of communication should be developed with other disciplines so that the faculty can include concepts and methods necessary to participation with others.

Occupational therapy faculty are considered to have professional responsibility for society and its needs. They should participate actively with community bodies and agencies as appropriate to their own competence and interest.

G. **Curriculum**

A wide variety of curriculum patterns may serve as an effective means of organizing experiences which lead to the achievement of educational objectives. Programs are encouraged to consider innovative course patterns and to use the curriculum design which makes best use of their particular resources. For this reason no outline has been included in this document for the specific courses which should be offered by an occupational therapy program, nor of other specifics such as course sequence and hour or credit distribution. Each program's pattern of curriculum organization will be judged in terms of its potential for contributing effectively to achievement of the educational objectives.

In the following curriculum Essentials, *traditional content resources are listed as a guide for curriculum development. These lists of resources are not to be considered exhaustive or binding but should serve as guides only. The curriculum objectives may be fulfilled by prerequisite and/or requisite courses. There must be a procedure for adequate evaluation of the student's performance in each objective area.*

The curriculum shall include

1. **Basic human sciences**

Purpose: To understand the structure and function of the human organism and its development from conception to death.

Objectives: Upon completion of the course(s) of study, the student shall demonstrate knowledge and understanding of

a. The structure and function of the human body and body systems
b. The structure and function of human personality and cognition
c. The human growth process
d. Social-cultural systems and the interrelationship with individual development and functioning.

Content: A broad scope of content resources shall be utilized in assisting the student to meet the objectives in this section.

Possible content resources may include:
*Anatomy (A,B,C,)**
Neuroanatomy (A,B,C)
Physiology (A,B,C)
Neurophysiology (A,B,C)
Kinesiology (A,C)
General psychology (B,C,D)
Literature (C,D)
Clinical demonstrations (A,B,C)
Educational psychology (B,C,D)
Sociology (B,C,D)
Anthropology (C,D)
Social psychology (B,C,D)
History (C,D)
Developmental psychology (B,C,D)
Student experiences with patients/clients (A,B,C,D)

Evaluation: There shall be adequate methods, procedures and instruments developed to determine whether the student has reached the objectives in this section.

Measurable general and specific objectives which have been formulated may be assessed by various methods, such as:
Written, oral and practical examinations
Course grades
Proficiency examinations; equivalency examinations
Performance evaluations:
  faculty/student
  student/student
  student self-evaluation

2. **The human development process**

Purpose: To understand the development, acquisition and integration of skills, life tasks and roles essential to productive living and to mastery of self and the environment.

Objectives: Upon completion of the course(s) of study, the student shall demonstrate ability to identify and explain:

a. Developmental tasks and needs in each period from birth to death
b. Development of human relationships, roles and values
c. The impact of non-human environment on normal growth and development
d. The meaning of activity in development of human potential and competence
e. The meaning and impact of symbols and the symbolization process throughout the life cycle
f. The concepts and modes of adaptation and their relationship to performance.

Content: A broad scope of content resources shall be utilized to meet the objectives in this section.

Possible content resources may include:
*Developmental psychology (A,B,C,D,F)**
Educational psychology (A,B,F)
Social psychology (B,C,F)
Occupational therapy (A,C,D,E,F)
Neuro-behavioral sciences (C,D,F)

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*(The coding refers to the objectives in this section.)

Psychiatry (B,E,F)
Cultural anthropology (A,B,C,D,E,F)
Psychobiology (A)
Pediatrics (A,B,C,D,F)
Gerontology (A,B,D,F)
Human relations (B,F)
Ego psychology (A,B,D,F)
Interpersonal theory (B,F)
Symbolism and symbolic process (C,D,E,F)
Object relations theory (A,C,D,E,F)
Psychoanalytic theory (A,B,C,D,E,F)
Clinical demonstrations (D,F)
Student experiences with patients/clients (B,D,F)

Evaluation: There shall be adequate methods, procedures and instruments developed to determine whether the student has reached the objectives in this section.

Measurable general and specific objectives which have been formulated may be assessed by various methods, such as:
Written, oral and practical examinations
Student projects; independent study
Course grades
Proficiency examinations; equivalency examinations
Performance evaluations:
  faculty/student
  student/student
  student self-evaluation

3. **Specific life tasks and activities**

Purpose: To understand and perform the processes involved in selected tasks and activities. To be able to identify and analyze the components which make up tasks and activities.

Objectives: Upon completion of the course(s) of study, the student shall be able to

a. Perform the processes involved in selected tasks and activities
b. Identify and analyze these tasks and activities in terms of the following components
  1) Physical
  2) Perceptual-Motor
  3) Cognitive
  4) Psychological
  5) Social
  6) Cultural
  7) Economic
c. Observe, identify and analyze tasks and activities performed by others
d. Relate the elements of any task or activity to age-specific needs, capacities and roles.

Content: A broad scope of content resources shall be utilized in assisting the student to meet the objectives in this section.

Possible content resources may include:
*Fine and applied arts (A)**
Home economics (A,D)
Industrial and manual arts (A,D)
Industry (B,C,D)
Community (B,C,D)
Self-care activities (A,B,C,D)
Physical education and recreation (A,B,C,D)
Kinesiology (B)
Developmental psychology (B,C,D)
Educational psychology (B,C,D)
Industrial psychology (B,C,D)
Sociology (B)
Anthropology (B)
Symbolism and symbolic process (B,C,D)
Object relations theory (B,C,D)
Vocational rehabilitation (A,B,C,D)
Rehabilitation counseling (A,B,D)
Occupational therapy (A,B,C,D)
Clinical demonstrations (A,B,C,D)
Student experiences with patients/clients (A,B,C,D)

Evaluation: There shall be adequate methods, procedures and instruments developed to determine whether the student has reached the objectives in this section.

Measurable general and specific objectives which have been formulated may be assessed by various methods, such as:
Written, oral and practical examinations
Student projects, papers and demonstrations
Course grades
Proficiency examinations; equivalency examinations
Performance evaluations:
  faculty/student
  student/student
  student/self-evaluation

4. **Health-illness-health continuum**

Purpose: To understand the characteristics of the health-illness-health continuum. To describe and discuss the effect upon the human being of interruptions in, aberrations of and trauma to the developing human organism throughout the life span.

Objectives: Upon completion of the course(s) of study, the student shall be able to

a. Discuss the concept of "wellness'
b. Define and discuss the etiology, progession, management and prognosis of the following;
  1) Congenital and developmental defects and deficits
  2) Disease processes and mechanisms
  3) Physical, emotional and environmental stresses and trauma
c. Describe and discuss the effect of the above upon optimal human functioning
d. Recognize and identify manifestations and symptomatology of health and illness.

Content: A broad scope of content resources shall be utilized in assisting the student to meet the objectives in this section.

Possible content resources may include:
*Pathology (B,D)**
Psychiatry (B,C,D)
Medicine (B,C,D)
Sociology (A,B,C,D)
Anthropology (A,C)
Economics (A,C)
Psychology (A,B,C,D)
Occupational therapy (A,B,C,D)
Community (A,C,D)
Ecology (A,B,C,D)
Public health (A,B,C,D)
History (C,D)
Literature (A,C,D)
Anatomy (B,C)
Physiology (B,C)
Ego psychology (A,C,D)
Psychoanalytic theory (A,B,C,D)
Industrial psychology (A,C,D)
Social psychology (A,C,D)
Clinical demonstrations (B,C,D)
Student experiences with patients/clients (A,B,C,D)

Evaluation: There shall be adequate methods, procedures and instruments developed to determine whether the student has reached the objectives in this section.

Measurable general and specific objectives which have been formulated may be assessed by various methods such as:
Written, oral and practical examinations
Student projects, papers and demonstrations

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*(Coding refers to the objectives in this section.)

*(Coding refers to the objectives in this section.)

Course grades
Proficiency examinations; equivalency examinations
Performance evaluations:
  faculty/student
  student/student
  student self-evaluation

5. **Occupational therapy theory and practice**

Purpose: To be able to apply and utilize the theories and principles of occupational therapy.

Objectives: Upon completion of the course(s) of study, the student shall be able to

a. Serve the individual client or patient by
  1) Evaluating his performance capacities and deficits
  2) Selecting tasks or activity experiences appropriate to his defined needs and goals
  3) Facilitating and influencing his participation and investment
  4) Evaluating his response, assessing and measuring change and development
  5) Validating assessments, sharing findings and making appropriate recommendations.
b. Provide consultative services in relation to the profession and its function
c. Provide administrative and supervisory leadership for occupational therapy programs
d. Facilitate and participate in community health care planning and activities
e. Promote, plan, implement and conduct research for the benefit of the public and the growth of the profession.

Theoretical content: A broad scope of content resources shall be utilized in assisting the student to meet the objectives in this section.

Possible content resources may include:
Occupational therapy (A,B,C,D)[*]
Foundations of occupational therapy
Principles of evaluation
Program planning and practice in:
  Prevention and health maintenance
  Life tasks and vocational adjustment
  Remediation
Field experiences (A,B,C,D,E)
Independent study (A,B,C,D,E)
Organization and administration (C,D)
Management systems (B,C,D)
Group psychology (A,C,D)
Human relations (A,B,C,D)
Principles of research (C)
Medicine (A,B,D,E)
Psychiatry (A,B,D,E)
Community resources (A,B,D)
Teaching-learning theory (A,B,C,E)
Public health (A,B,D,E)
Communication theory and principles (A,B,C,D,E)
Vocational rehabilitation (A,B,D)
Rehabilitation counseling (A,D)
Supervisory theory and techniques (C)
Leadership training (A,B,C,D)
Symbolic process (A,E)
Object relations theory (A,E)
Clinical demonstrations (A,E)
Student experiences with patients/clients (A,D)

Practice: Field work experience: Supervised field experience shall be an integral part of the educational program. These experiences must be provided outside as well as within the medical model, with supervision as needed to relate experiential learning to the content.

The following relates to the second level of sustained field work as defined in Section II.

1. A minimum of six months of supervised field experience shall be required.

A minimum of six (6) months of supervised field work experience shall be required for all students in order to provide them a setting for the application of academically acquired knowledge. Within this six-month period, learning must include experiences in prevention and health maintenance, remediation, and daily life tasks and vocational adjustment.

At least three months of sustained field work experience is desirable on a full-time basis. If equivalent time is used, it should be appropriate to the setting selected, student needs, and continuity of patient/client services, e.g., consecutive half-days. To ensure continuity and meaningful application of academic concepts, all field work experiences should be completed not later than 24 months following completion of academic preparation.

2. It shall be the responsibility of the director of the program to approve those settings which shall provide experiences appropriate to the learning needs of the student and which meet the objectives of field experience.
3. General and specific behavioral objectives for each phase of field experience must be clearly stated and known to the student. These objectives must be developed collaboratively by the appropriate faculty, supervisors and the student(s).
4. A registered occupational therapist with no less than one year of experience in direct service to patients/clients shall have responsibility for the student's educational program and professional growth.

The registered occupational therapist supervisor may be a therapist employed in the field setting, a faculty member, or a therapist in the community who has been designated as a field work supervisor.

5. In those settings where no registered occupational therapist is on-site, an appropriate professional, certified by his profession, and employed in the field setting, shall be the on-site administrative supervisor and shall assume responsibility for the student's role and function within the setting. Such a professional shall not replace nor be in lieu of the registered occupational therapist supervisor as defined above. This professional shall be familiar with the objectives of the field work experience and shall collaborate with the registered occupational therapist supervisor to ensure achievement of the educational objectives.

"Appropriate professionals" may include teachers, social workers, public health nurses, ministers, probation officers, physical therapists, and the like.

6. The ratio of supervisors to students shall be such as to ensure quality experience and maximal learning.
7. Evaluation: There shall be adequate methods, procedures and instruments developed to determine whether the student has reached the objectives in this section.

Measurable general and specific objectives, which have been formulated may be assessed by various methods, such as:
Written, oral and practical examinations
Student projects, papers and demonstrations
Course grades
Proficiency examinations; equivalency examinations
Performance evaluations:
  faculty/student
  student/student
  student self-evaluation
  field work performance evaluations

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[*] (Coding refers to the objectives in this section.)

X. ADMINISTRATION

A. Catalog

An official publication including a description of the educational program shall be issued at least biennially. It must include information regarding the organization of the program, admission procedures, entrance requirements, a brief description of required courses, names and academic rank of faculty, tuition and fees, financial aid and information concerning facilities and settings used for field work experience.

B. Accreditation

1. *Initial evaluation*
   - a. *Invitation*
     Initial evaluation (including survey site visits) of a new program of study can only be initiated on the express invitation of the chief administrative officer of the sponsoring institution or an officially designated representative.
   - b. *Withdrawal*
     The institution may withdraw its request for accreditation at any time (even after evaluation), prior to final action by the accrediting body(ies).
   - c. The head (or a designated representative) of the institution housing the occupational therapy educational program being evaluated is sent an unofficial copy of the report prepared by the evaluating team in order that comment may be made on it before final action is taken by the accrediting body(ies).
   - d. *Appeal*
     The chief administrative officer of the institution may appeal the decision regarding status of accreditation by submitting in writing objections together with supporting data and a request for reevaluation. Action on appeals shall be taken by the accrediting body(ies) in line with established procedures.
2. *Reevaluation*
   - a. *Resurvey*
     Reevaluation site visits shall be scheduled by the accrediting body(ies) in accordance with established procedures. Every effort shall be made to reevaluate each program every five years.
   - b. *Review*
     The head (or a designated representative) of the institution housing the occupational therapy educational program being evaluated shall be sent an unofficial copy of the report prepared by the on-site survey team in order that comment may be made on it before final action is taken.
   - c. *Withdrawal*
     The accrediting body(ies) may withdraw accreditation whenever
     1) The educational program is not maintained in accordance with the standards outlined above, or
     2) There are no students in the program for two consecutive years

     Accreditation shall be revoked only after advance notice has been given to the head of the institution that such action is contemplated, and the reasons therefore, sufficient to permit timely response and the use of established procedures for appeal and review.
   - d. *Appeal*
     The chief administrative officer of the institution may appeal the decision regarding status of accreditation by submitting in writing objections together with supporting data and a request for reevaluation. Action on appeal shall be taken by the accrediting body(ies) in line with established procedures.

C. Reports

An Annual Report shall be made to the accrediting body(ies) on a form provided by these bodies.

Major changes in administration, faculty, curriculum and other areas directly affecting adherence to the Essentials *should be promptly reported to the accrediting body(ies).*

APPLICATION AND INQUIRIES

A. ACCREDITATION

Applications and/or information regarding accreditation of an educational program may be obtained from either of the following:

American Occupational Therapy Association, Inc.
6000 Executive Boulevard
Rockville, MD 20852

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

B. REGISTRATION

Inquiries regarding registration (certification) of qualified graduates of accredited programs should be addressed to the American Occupational Therapy Association, Inc.

C. CAREERS

Inquiries regarding career information should be addressed to the American Occupational Therapy Association, Inc.

Essentials of an Accredited Educational Program for the Operating Room Technician*

Initially adopted 1972
Adopted by the
AMERICAN COLLEGE OF SURGEONS
AMERICAN HOSPITAL ASSOCIATION
AMERICAN MEDICAL ASSOCIATION
ASSOCIATION OF SURGICAL TECHNOGISTS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATION FOR THE OPERATING ROOM TECHNICIAN

PREAMBLE

OBJECTIVE

The education and health professions cooperate in this program to establish and maintain standards of appropriate quality for educational programs in the allied health professions and services and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*.

These standards are to be used as guides for the development and self-evaluation of allied health programs.

Survey teams report on site visits, and lists of the accredited programs are published for the information of employers and the public. Students for the allied health occupations are taught to work with and under the direction of physicians and nurses in providing health care services to patients.

DESCRIPTION OF THE OCCUPATION

The operating room technician should be a skilled person, qualified by didactic and clinical training to provide services in the operating room under the supervision and responsibility of the operating room supervisor, who is a registered nurse.

Operating room technicians function in association with nurses and surgeons to help provide the best possible care of the surgical patient. Technicians are a part of the operating room team responsible for the cleanliness, safety and efficiency of the operating room that leads to good patient care. Their knowledge of and experience with aseptic surgical techniques qualify them to prepare materials for use at the operating table and to assist in the use of these materials.

The operating room technician should have the essential qualities of intelligence; the ability to relate to people; an orientation towards service to people; and a capacity for calm and reasoned judgment in meeting emergencies. Respect for the patient as a person and respect for the patient's privacy are expected of the technician.

Operating room technicians may become highly trained and specialized in the areas in which they are adept and in which they have special experience and interest. They may be required to be knowledgeable in a wide variety of operative procedures or they may be asked to or may request that they be allowed to concentrate in certain highly specialized areas of operating room surgery. The frequency of performance of certain duties will in part determine the degree of special expertise such an individual obtains in the care of patients in the operating room. Since no one individual can participate in all categories of work outlined, a certain degree of limitation may be expected.

Definition of the ultimate role of operating room technicians should not be too rigid because of the marked variations in practice requirements due to economic, sociologic and geographic factors. The high degree of responsibility expected of the operating room technician requires that at completion of their formal education they possess the knowledge, skills and abilities necessary to provide services appropriate in the operating room.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Junior colleges, senior colleges and universities
B. Hospitals and clinics
C. Medical schools
D. Vocational technical schools and institutions
E. Other institutions which are acceptable to the Committee on Allied Health Education and Accreditation (CAHEA).

The institution should be accredited or otherwise acceptable to the Committee on Allied Health Education and Accreditation.

Schools, colleges and universities must have the necessary clinical affiliations.

II. CLINICAL AFFILIATIONS

A. The clinical phase of the educational program must be conducted in a clinical setting and under competent clinical direction.
B. In programs where academic training and clinical experience are not provided in the same institution, accreditation shall be given to the institution responsible for the academic training (student selection, curriculum, academic credit, etc.), and the educational administrators shall be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

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*Association of Operating Room Nurses support was withdrawn in 1975.

C. In the clinical teaching environment, an effective ratio of students to instructors shall be maintained.

III. FACILITIES

A. **General**—Adequate classrooms, laboratories and administrative offices should be provided.

B. **Laboratory**—Appropriate modern equipment and supplies for directed experience should be available in sufficient quantities for student participation.

C. **Library**—A library should be readily accessible and should contain an adequate supply of up-to-date scientific books, periodicals and other reference materials related to the curriculum.

IV. FINANCES

A. Financial resources for continued operation of the educational program shall be assured through regular budgets.

B. The institution shall not charge excessive student fees.

C. Advertising must be appropriate to an educational institution.

D. The program shall not substitute students for paid personnel to conduct the work of the clinical facility.

V. FACULTY

The instructional staff should be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

A. **Director of Educational Program**

1. **Qualifications:** The director of the educational program should be qualified in terms of academic preparation, teaching experience, and operating room experience; and should meet the educational standards for faculty as required by the institution for the other members of the faculty.
2. **Responsibilities:** In addition to other assigned responsibilities, the director of the educational program should be responsible for the organization, administration, periodic review, continued development and general effectiveness of the program.

B. **Change of Director**—If the director of the educational program is changed, immediate notification should be sent to the AMA Department of Allied Health Evaluation. The curriculum vitae of the new director, giving the details of training, education and experience in the field, must be submitted, and, if the new director's credentials are in order, accreditation of the program will be continued.

C. **Instructional Staff**—The faculty should be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

D. **Advisory Committee**—An advisory committee should be appointed to assist the director in continuing program development and evaluation; in faculty coordination; in coordinating effective clinical relationships with other allied health educational programs; and in developing the understanding and support of practicing physicians and nurses.

VI. STUDENTS

A. **Selection**—In colleges and universities, selection of students should be made in accordance with the generally accepted practice of the institution. In hospital-sponsored programs, selection of students should be made by an admissions committee in cooperation with those responsible for the educational program. Admissions data should be on file at all times in colleges, universities or hospitals sponsoring the program.

B. **Health**—Applicants shall be required to submit evidence of good health and successful vaccination. A health service should be provided for evaluation and maintenance of the students' health. When students are learning in a clinical setting or a hospital, they should be provided with the protection of the same physical examinations and immunizations as are provided to hospital employees working in the same clinical setting.

C. **Number**—The number of students enrolled in each class should be commensurate with the most effective learning and teaching practices and should also be consistent with acceptable student-teacher ratios.

D. **Counseling**—A student guidance and placement service should be available.

VII. RECORDS

Satisfactory records should be provided for all work accomplished by the student in the training program. Reports of the work of the department should be prepared and available for review.

A. **Student**

1. Transcripts of high school and any college credits and other credentials must be available.
2. Report of medical examination upon admission and record of any subsequent illness should be retained. A report of medical examination, including a chest film, should be kept on record.
3. A record of class and laboratory participation and accomplishment of each student should be maintained in accordance with the requirements of the institution.
4. Attendance and grades must be suitably recorded.

B. **Curriculum**

1. A copy of the complete curriculum should be kept on file.
2. Copies of course outlines, class schedules, records of supervised clinical experience, schedules and teaching plans should be on file and available for review.

C. **Activity**

1. A satisfactory record system shall be provided for all student performance.
2. Copies of practical and written examinations should be maintained and continually evaluated.

VIII. CURRICULUM

A. The minimal length of the educational program should total one academic year (nine months in length), or an equivalent program acceptable to the Committee on Allied Health Education and Accreditation.

B. Instruction should follow a planned outline which includes

1. Assignment of appropriate instructional materials
2. Classroom presentations, discussions and demonstrations
3. Supervised practice in surgical technology
4. Examinations, tests and quizzes—both oral and written—for didactic and clinical aspects of the program

C. General courses or topics of study, both didactic and clinical, should include

1. *Orientation to operating room:* terminology, weights and measures, medical-legal aspects, ethics, and hospital and operating room environment.
2. *Basic sciences:* anatomy, physiology, pathology and microbiology.
3. *Safe patient care:* transport, anesthesia, position-

ing, related nursing procedures, skin preparation and environmental control.

4. *Operating room technique:* sterilization and disinfection, preparation and care of surgical supplies and equipment, aseptic technique, sutures, needles, instruments, and responsibilities of the operating room technician in the circulating assistant and scrub roles.
5. *Surgical procedures:* general surgery, obstetrics and gynecology, ophthalmology, otorhinolaryngology, plastic surgery, oral surgery, urology, orthopedic surgery, neurosurgery, thoracic surgery, cardiovascular surgery and peripheral vascular surgery.
6. *Clinical practice:* demonstrate a safe level of practice and knowledge in all the above areas. Note, however, that it is not necessary for the student to be competent in the more complicated procedures, such as may be found in neurosurgery and cardio/peripheral vascular surgery.

D. A synopsis of the complete curriculum should be kept on file. This instructional program should include the rotation of assignments, the outline of the instruction supplied and lists of multimedia instructional aides used to augment the experience of the student.

IX. ADMINISTRATION

A. **Catalog**—An official publication including a description of the curriculum should be issued at least biennially. It should include information regarding the organization of the program, a brief description of required courses, names and academic rank of faculty, entrance requirements, tuition and fees, and information concerning hospitals and facilities used for directed experience.

B. **Accreditation**—The evaluation (including survey team visits) of an institution or a program of study can be initiated by the express invitation of the chief administrator of the sponsoring institution or an officially designated representative.

C. **Withdrawal**—The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation and collaborating organizations may withdraw accreditation whenever

1. The educational program is not maintained in accordance with the standards outlined above, or
2. There are no students in the program for two consecutive years.

Accreditation is revoked only after advance notice has been given to the head of the institution that such action is contemplated, and the reasons therefore, sufficient to permit timely response and the use of established procedures for appeal and review.

D. **Reevaluation**

1. *Review*—The head of the institution being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the visiting survey team and to comment on its accuracy before final action is taken.
2. *Appeal*—At the request of the head of the institution, a resurvey may be made. Accreditation decisions may be appealed by letter to the Committee on Allied Health Education and Accreditation.

E. **Reports**—An Annual Report should be made to the Committee on Allied Health Education and Accreditation and collaborating organizations. A report form is provided and should be completed, signed by the director of the educational program and returned promptly.

F. **Resurvey**—The AMA and collaborating organizations will periodically resurvey educational programs for consultation and reevaluation.

APPLICATION AND INQUIRIES

A. **Accreditation**—Application for accreditation of a program should be made to:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

B. **Careers**—Inquiries regarding career information should be addressed to:

Association of Surgical Technologists, Inc.
1100 W Littleton Blvd, Suite 201
Littleton, CO 80120

C. **Registration/Certification**—Inquiries regarding registration or certification of qualified graduates of the accredited program should be addressed to:

Association of Surgical Technologists, Inc.
1100 W Littleton Blvd, Suite 201
Littleton, CO 80120

Essentials of an Accredited Educational Program for the Ophthalmic Medical Assistant

Adopted 1975 by the
AMERICAN ASSOCIATION OF CERTIFIED ALLIED HEALTH PERSONNEL IN OPHTHALMOLOGY
AMERICAN MEDICAL ASSOCIATION
JOINT COMMISSION ON ALLIED HEALTH PERSONNEL IN OPHTHALMOLOGY

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR THE
OPHTHALMIC MEDICAL ASSISTANT

PREAMBLE

OBJECTIVE

The education and health professions cooperate in this program to establish and maintain standards of appropriate quality for educational programs for the ophthalmic medical assistant and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*.

These standards are to be used as a guide for the development and self-evaluation of programs for the ophthalmic medical assistant. Survey teams report on site visits, and lists of the accredited programs are published for the information of employers and the public. Students for the occupation of ophthalmic medical assistant are taught to work with and under the direction of ophthalmologists to assist them in providing health care services to patients.

DESCRIPTION OF THE OCCUPATION

The ophthalmic medical assistant is a skilled person, qualified by academic and clinical training, who carries out diagnostic and therapeutic procedures under the direction or supervision and the responsibility of a physician (doctor of medicine or doctor of osteopathy) licensed to practice medicine and surgery and qualified in ophthalmology and who, in turn, is responsible for the performance of the assistant.

Ophthalmic medical assistants render supportive services to the ophthalmologist. They are employed primarily by ophthalmologists, but may be employed by medical institutions, clinics, or physician groups and assigned to an ophthalmologist who is responsible for their direction. The ophthalmic medical assistant may be involved with patients of an ophthalmologist in any setting for which that ophthalmologist is responsible.

The ophthalmic medical assistant cannot supplant the physician in the decision-making process necessary to establishing a diagnosis and a plan of treatment, but can assist the physician by collecting data necessary to reach decisions and by transmitting and executing the ophthalmologist's orders.

The function of the ophthalmic medical assistant is to assist the ophthalmologist by performing delegatable tasks, collecting data, and administering or supervising treatment ordered by an ophthalmologist.

The duties of an ophthalmic medical assistant may include: (a) taking a medical history, administering diagnostic tests, making anatomical and functional ocular measurements, testing ocular functions (including visual acuity, visual fields and sensori-motor function), administering topical ophthalmic medications and other medications, and instructing the patient (as in home care and in use of contact lenses); (b) care and maintenance of optical instruments, care, maintenance and sterilization of surgical instruments, and maintenance of ophthalmological office equipment; (c) assisting in ophthalmic surgery in the office or hospital; (d) making optical measurements, and administering orthoptic and pleoptic procedures; (e) carrying out ocular electroneurological procedures; (f) assisting in the fitting of contact lenses; (g) fitting, making minor repairs on, and adjusting spectacles; (h) clinical photography; and (i) such other tasks as may be delegated consistent with sound medical practice.

The ophthalmic medical assistant will not necessarily be able to perform all the acts which may be delegated by an ophthalmologist, nor will there necessarily be delegated to an assistant all the duties which the assistant is competent to carry out.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Junior colleges, senior colleges and universities
B. Hospitals and clinics
C. Medical schools
D. Vocational/technical schools and institutions
E. Proprietary educational institutions
F. Military-based schools

The institution should be accredited or otherwise acceptable to the Committee on Allied Health Education and Accreditation (CAHEA). Schools, colleges, and universities must have the necessary clinical affiliations.

II. CLINICAL AFFILIATIONS

A. The clinical phase of the educational programs must be conducted in a clinical setting and under competent clinical direction.

B. In programs where academic training and clinical experience are not provided in the same institution, accreditation shall be given to the institution responsible for the academic training (student selection, curriculum, academic credit, etc.) and the educational administrators shall be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

III. FACILITIES

A. **General**—Adequate classrooms, laboratories, and administrative offices should be provided.

B. **Laboratory**—Appropriate modern equipment and supplies for directed experience should be available in sufficient quantities for student participation.

C. **Library**—A library should be readily accessible and should contain an adequate supply of up-to-date scientific books, periodicals, and other reference materials related to the curriculum.

IV. FINANCES

A. Financial resources for continued operation of the educational program shall be assured through regular budgets.

B. Advertising must be appropriate to an educational institution.

C. The program shall not substitute students for paid personnel to conduct the work of the clinical facility.

V. FACULTY

The instructional staff should be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

A. Medical Director

The medical director of the program shall be an ophthalmologist who is able to provide competent medical direction for the clinical instruction and for clinical relationships with other allied health educational programs and should develop the understanding and support of practicing physicians.

B. Program Director

1. The program director may be the medical director or someone who meets the requirements specified by the institution providing the didactic portion of the educational program.
2. Responsibilities—In addition to other assigned responsibilities the director of the educational program should be responsible for the organization, administration, periodic review, continued development, and general effectiveness of the program.

C. Change of Director

If the director of the educational program or the medical director of a program is changed, immediate notification should be sent to the AMA Department of Allied Health Evaluation. The curriculum vitae of the new director, giving the details of training, education, and experience in the field, must be submitted, and, if the new director's credentials are in order, accreditation of the program will be continued.

D. Instructional Staff

The faculty shall be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

E. Advisory Committee

An advisory committee should be appointed in consultation with the medical director to assist the directors in continuing program development and evaluation, in faculty coordination, and in coordinating effective clinical relationships.

VI. STUDENTS

A. Selection

Selection of students should be made in accordance with the generally accepted practice of the institution. Selection of students for the medical assisting program should be made by an admissions committee in cooperation with those responsible for the educational program.

Candidates for admission must be high school graduates or have passed a standard equivalency test or college entrance examination.

Graduates of recognized programs in other allied health professions should be given appropriate credits for courses already completed. It is also recommended that Certified Ophthalmic Medical Assistants be given appropriate credit for such certification upon admission to the program.

Admissions data should be on file at all times in institutions sponsoring the program.

B. Health

Applicants shall be required to submit evidence of good health and appropriate immunizations. A student health service should be available for evaluation and maintenance of the students' health.

C. Number

The number of students enrolled in each class should be commensurate with the most effective learning and teaching practices and should also be consistent with acceptable student-teacher ratios.

VII. RECORDS

Satisfactory records shall be maintained for all work accomplished by the student in the training program. Annual reports of the operation of the program should be prepared and available for review.

A. Student

1. Transcripts of high school and any college credits and other credentials must be available.
2. Report of medical examination upon admission and record of any subsequent illness shall be retained. A report of medical examination, including a tuberculin test and/or chest film, and an ophthalmological examination shall be kept on record.
3. A record of class and laboratory participation and accomplishment of each student shall be maintained in accordance with the requirements of the institution.
4. Attendance and grades must be suitably recorded.
5. Copies of practical and written examinations should be maintained.

B. Curriculum

1. A copy of the complete curriculum shall be kept on file.
2. Copies of course outlines, class schedules, directed experience, and teaching plans shall be on file and available for review.

C. Clinical Experiences

1. An accurate record system of dates and location of clinical experience shall be maintained.
2. A satisfactory method of evaluating these clinical experiences shall be implemented.

VIII. CURRICULUM

A. The course of instruction for the ophthalmic medical assistant shall be of sufficient length to provide for adequate instruction in the required subject areas.

B. Instruction should follow a planned outline which includes:

1. Assignments of appropriate instructional materials.
2. Classroom presentations, discussions, and demonstrations.
3. Supervised practice of basic procedures.
4. Examinations, tests and quizzes—both oral and written for didactic and clinical aspects of the program.
5. Supervised clinical experiences under competent medical direction. These experiences shall be without remuneration.

C. The program should include appropriate study of:

1. General anatomy and physiology
2. Medical terminology

3. Medical law and ethics
4. General psychology
5. Ocular anatomy and physiology
6. Ophthalmic optics
7. Practical microbiology
8. Ophthalmic pharmacology and toxicology
9. Ocular motility
10. Introduction to diseases of the eye
11. Diagnostic and treatment procedures, including visual field testing
12. Contact lenses
13. Ophthalmic surgery
14. Care and maintenance of ophthalmic instruments and equipment
15. Supervised clinical experience

These courses should be covered sufficiently to enable graduates to assist ophthalmologists under their supervision or direction, in the provision of health care to eye patients by performing the functions and duties stated in the "Description of the Occupation" above.

The curriculum should be designed to assure that students develop an appreciation of their working relationships with other health personnel. They should acquire an understanding of the content of ophthalmological practice and of the ethical and legal principles governing all medical practice.

The curriculum should provide opportunities for students to apply theory to practice through correlated and supervised instruction in clinical practice areas. The content of clinical instruction should give evidence that the basic scientific principles and concepts selected for learning experiences have been identified and incorporated into the curriculum. Activities should include field assignments, case studies and similar educational designs to enhance the application of previous and ongoing learning.

In each clinical practice area, faculty members of the program will be responsible for the supervision of student learning experiences. These experiences should be selected by the faculty, under the general guidance of the medical director and the program director and in cooperation with appropriate personnel in the clinical agencies.

The ratio of faculty members to students should be higher in the clinical area than in the classroom. Student needs should be interpreted to the service personnel of the cooperating agencies, and students should be helped to develop an awareness of the requirements of the clinical practice area.

In selecting learning experiences in clinical settings the focus should be on student needs; the service rendered to the cooperating clinical agency is incidental to the learning process. The selected scientific facts and concepts should be limited to those that are essential as a basis for ophthalmic medical care.

IX. ADMINISTRATION

A. Catalog

An official publication including a description of the curriculum should be issued at least biennially. It should include information regarding the organization of the program, a brief description of required courses, names and academic rank of faculty, entrance requirements, tuition fees, and information concerning physicians' offices and other facilities used for clinical experiences.

B. Accreditation

The evaluation (including survey team visits) of an institution or educational program can be initiated only by the express invitation of the chief administrator of the sponsoring institution or an officially designated representative. (This is embodied in the filing of an official application.)

C. Withdrawal

The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation (CAHEA) in cooperation with the American Association of Certified Allied Health Personnel in Ophthalmology, the American Medical Association and the Joint Commission on Allied Health Personnel in Ophthalmology may withdraw accreditation when the following conditions prevail:

1. The educational program is not maintained in accordance with standards outlined above, or
2. There are no students in the program for two consecutive years.

Accreditation is revoked only after advance notice has been given to the head of the institution that such action is contemplated and the reason therefore, sufficient to permit timely response and the use of established procedures for appeal and review.

D. Reevaluation

1. Review. The head of the institution being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the visiting team, and to comment on its accuracy before final action is taken.
2. Appeal. Accreditation decisions may be appealed by letter to the Committee on Allied Health Education and Accreditation.

E. Reports

A report should be made annually by the program to the Committee on Allied Health Education and Accreditation. A report form is provided, which should be completed, signed by the director of the educational program, and returned promptly.

F. Resurvey

The American Medical Association in collaboration with the American Association of Certified Allied Health Personnel in Ophthalmology, American Association of Medical Assistants and the Joint Commission on Allied Health Personnel in Ophthalmology will periodically resurvey educational programs for consultation and reevaluation.

APPLICATIONS AND INQUIRIES

A. Accreditation

Application for accreditation of a program should be made to:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

B. Careers

Information regarding careers may be obtained by writing:

Joint Commission on Allied Health Personnel
in Ophthalmology
1575 University Ave
St. Paul, MN 55104

American Association of Medical Assistants
Suite 2110
1 E Wacker Dr
Chicago, IL 60601

American Association of Certified Allied Health
Personnel in Ophthalmology
555 W Catalina Dr, Suite 304
Phoenix, AZ 85013

C. Certification

Information regarding certification may be obtained by writing the Joint Commission on Allied Health Personnel in Ophthalmology.

Essentials and Guidelines of an Accredited Educational Program for the Physical Therapist

Essentials Adopted 1979 by the
AMERICAN MEDICAL ASSOCIATION
NATIONAL ASSOCIATION OF PHYSICAL THERAPISTS
UNITED STATES PHYSICAL THERAPY ASSOCIATION

Guidelines approved 1979

Program Review Committee
JOINT REVIEW COMMITTEE FOR PHYSICAL THERAPY EDUCATION

> *Essentials*, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program compiles with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
> Guidelines, explanatory documents which clarify the *Essentials*, are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials*.

PREAMBLE

OBJECTIVE

These *Essentials* are to be used for the development and self-evaluation of physical therapy educational programs for the first professional degree in physical therapy, i.e., baccalaureate, post-baccalaureate certificate and master's degree. The educational institution offering an educational program in physical therapy assumes responsibility for ensuring that the established *Essentials* contained herein will be met and maintained. On-site surveys are made by the appropriate recognized bodies, and lists of accredited programs are published for public information.

Appropriate utilization of this document in the planning and implementation of a physical therapy educational program should:

1. assure the competency of the entry level therapist who successfully completes the program
2. provide a guide for quality education consistent with the professional standards of physical therapy and the standards of the institution of higher learning
3. assist in the development of a new educational program to meet accreditation standards

DESCRIPTION OF THE PROFESSION

Physical therapy requires practical knowledge of human growth and development, human anatomy and physiology, neuroanatomy, neurophysiology, biomechanics of motion, manifestations of disease and trauma, normal and abnormal psychological responses to injury and disability, and ethnic, cultural and socioeconomic influences on the individual.

Therapeutic procedures include exercise for increasing strength, endurance, coordination, and the range of motion; stimuli to facilitate motor activity and learning; instruction in activities of daily living and the use of assistive devices; and the application of physical agents to relieve pain or alter physiological status.

The physical therapist practices as part of a large and varied team of health specialists, as well as members of the lay community.

The physical therapist must be prepared to practice safely and effectively, and to assume varied patterns of responsibility for development and revision of the individual patient's therapeutic program. The physician has responsibility for these decisions, and has the prerogative of delegating various degrees of authority to the physical therapist to whom the physician refers patients.

The physician's directions to the therapist may be specific and detailed; or they may take the form of standing orders for all patients in a particular category or location. In still other situations, the physician may develop the treatment plan in conference with the therapist or authorize the therapist to select, perform and report upon procedures which the therapist believes are most useful. In responding to the physician's referral, the therapist must also comply with the legal and ethical requirements of state physical therapy practice acts and with the recognized ethical standards of the profession.

Because physical therapy is a rapidly evolving field it is most useful to classify competencies to be developed by the student into three broad categories.

1. Those in common usage in physical therapy services throughout the country in which the student shall develop a level of skill adequate to allow safe and effective performance;
2. Those utilized primarily in specialty areas of physical therapy services in which the student shall develop knowledge of concepts and principles adequate to allow advancement to useful levels of skill with experience; and;
3. Those rarely used in current physical therapy services but which students should know exist. They should

recognize the possible contributions of these activities to patient services; however, little skill in performance shall be expected of the average recent graduate.

Inclusion of a particular aspect of practice in the list of objectives does not mean that the new graduate is expected to carry sole responsibility for that phase of care. It does indicate that the new physical therapist frequently participates in this activity, and therefore, should be prepared to carry out related responsibilities effectively.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs shall be located in any of the following settings:

A. A college or university accredited by its regional association of colleges and secondary schools which is authorized to grant the baccalaureate or higher degree and is affiliated with accredited hospital(s) and community health care programs, facilities and agencies.

B. A medical school or academic health center accredited by the appropriate bodies, which has liberal arts college affiliation and affiliation with accredited hospital(s) and community health care programs, facilities and agencies.

C. A graduate school meeting the institution's criteria and affiliated with accredited hospital(s) and community health care programs, facilities and agencies.

The sponsoring institution must provide, directly or through affiliation with a neighboring institution, facilities for initial directed clinical education, as well as necessary teaching resources and instructional expertise in the areas of basic and applied natural, behavioral, and medical sciences.

In physical therapy programs involving the facilities of more than one institution, the sponsoring institution shall be the one which assumes primary responsibility for curriculum planning and selection of course content, for coordination of classroom teaching and supervised clinical education, for establishing criteria for faculty appointments, for selecting students for admission to the program, for providing sound financial support of the program on a current and continuing basis, and for granting a degree or certificate as evidence of completion of the program. The sponsoring institution seeks and is granted accreditation of the physical therapy educational program. The sponsoring institution also enters into affiliation agreements with other institutions for the purpose of providing needed supplementary instructional services for the students enrolled in the program.

The physical therapy educational program may be organized and implemented within one of several administrative patterns. It may be a department in a college or school such as allied health, medicine, or arts and sciences; it may be a cooperative program sponsored by two or more schools of one university; it may be a cooperative program sponsored by two separate educational institutions.

Administrative arrangements should provide the director and faculty of the educational program for the physical therapist with effective channels of communication, with the dean or chief administrative officer of the college or school in which the physical therapy program is located as well as effective channels of communication with one or more designated physicians regarding medical matters associated with the curriculum.

II. CURRICULUM

A. Student Supervision

The student shall be under the direct supervision of the physical therapy faculty in the (educational) program.

B. Learning Experiences

The statements of goals for student competencies in these *Essentials* identify both the behaviors and the areas of content on which learning experiences must focus.

C. Student Competencies

The curriculum shall be designed so that upon completion of the physical therapy educational program, students will possess competencies in the following categories:

1. Individual Patient Services
   a. Evaluation of the problem—ability to participate in the initial planning and revision of patient treatment programs through supplementation of the referring physician's evaluation by recognition of areas in which structure and function are abnormal and performing appropriate tests and measurements. The physical therapist shall have the competence to carry out and evaluate tests that will assist in establishing goals, planning a treatment program, and assessing progress and results.
   b. Treatment planning—ability to participate with the referring physician in determining objectives and in planning a program to accomplish these objectives.
   c. The student must have knowledge of:
      1. The types of therapy that are available and their uses
      2. The indications and contraindications
      3. The goals of treatment, including intermediate goals and subsequent modification of therapy as indicated by the patient's condition and progress
      4. A discharge plan
   d. The student shall be able to apply specific techniques according to the following schedule:
      1. Preparing the treatment area
      2. Instructing the patient
      3. Positioning and draping of the patient
      4. Examining the affected part pre- and post-therapy
      5. Treating the appropriate part
      6. Applying treatment techniques effectively and safely
      7. Striving to obtain the desired results
   e. Performance—ability to implement appropriate programs of patient treatment through the use of intelligent utilization of exercise, physical agents, assistive and supportive devices, and other treatment procedures and equipment designed to:
      1. Maintain and restore strength, endurance, coordination, relaxation, and range of motion
      2. Promote healing
      3. Relieve pain
      4. Improve functional independence
   f. Cognizance—ability to be cognizant of the physiological and psychological effects of illness, disability and the processes necessary for treatment through the evaluation, planning and performance of service. In cooperation with the referring physician, the student therapist shall select and implement promising approaches to

prevent or minimize psychological stresses for the patient and his family.

2. Communication—the student shall achieve competence in intelligent and effective verbal and nonverbal communication with patients and their families, supervisors, physicians, associates and the public.
3. Administration—the student shall demonstrate ability to participate in major aspects of planning for overall operation of physical therapy services in a facility or a community.
4. Professional growth: self-evaluation and continuing education—the student shall recognize responsibilities to expand and improve her/his own professional knowledge and skills and foster continuing improvement of the physical therapy profession and health care.

D. **Course Work**

1. Each course shall have written objectives. Learning experiences shall be designed to meet the objectives. Students shall know what the objectives and experiences are.
2. Rationale for determination of academic credit must be the same for all courses. The type of degree issued the student must be an indication of the type of collegiate program which was completed.
3. The instructor must develop the content of each course in terms of the overall curricular pattern.
4. An appropriate system of pre-requisites shall be established. Courses shall be offered in logical sequence related to the level of difficulty and the student's professional development.

E. **Clinical Work**

1. Each phase of clinical experience shall have written objectives. Learning experiences shall be designed to meet these objectives. Students shall know what the objectives and experiences are.
2. Students shall have planned experiences which will provide for increasing time, depth of responsibility, and complexity of student involvement with patients throughout the curriculum.

Development and Planning

The process of curriculum development will vary considerably in exact format among schools of different sizes and administrative structures. The institution should provide the faculty with adequate time for planning, development, reevaluation and revision of the curriculum. The endeavors should result in an up-to-date basic description of all learning experiences, including courses, clinical experiences and independent work.

The following elements are desirable components of curriculum development for all programs. These guidelines describe major aspects of the process needed if the curriculum is to be related to educational goals of the program, responsive to change, and effectively integrated.

- *Faculty should be allowed time to work on individual course planning as a regular part of their responsibilities.*
- *There should be regularly scheduled meetings of the full faculty and of sub-groups which have closely related curriculum responsibilities to facilitate exchange of information and collaboration on course planning, and to develop strong bases for integration and sequencing of curriculum components.*
- *An up-to-date file of basic descriptive material on all courses should be maintained in a location readily accessible to all faculty. Material should include written course objectives, course outlines, reading and assignment lists, and copies of all examinations.*
- *Some mechanism should be regularly employed by the faculty to assess overall strengths and weaknesses of the program.*
- *The curriculum should be subject to annual review by faculty groups outside the immediate professional program to ensure that its structure and level are compatible with those of other programs in the institution, and as one means of avoiding professional parochialism. The exact nature of the review may vary widely among institutions, and it need not be a formal process involving controlling approval. Some established method should, however, exist for soliciting ideas from other specialists within the parent institution and the major clinical affiliate(s).*
- *Some regular mechanism should be in use to allow student participation in curriculum evaluation and development.*
- *Regular provision should be made for joint planning meetings in which both classroom and clinical faculty participate. Clinical faculty should be kept fully informed about all changes in curriculum, but should also have an opportunity to participate in planning these changes, although they act ordinarily in an advisory capacity.*
- *Regular provision should also be made for joint planning meetings of representatives of the physical therapy faculty and medical specialists who utilize the services of physical therapists for their patients. These meetings should be used to reassess expectations of both groups and to share views on the relevance of selected curriculum content.*
- *Despite the desirability of active advisory participation of faculty from other disciplines, students and clinicians, the full-time program faculty should have the major voice in determining curriculum structure. The mechanisms for securing administrative or overall faculty approval should be clearly described and known to faculty. Extended delays in securing administrative review and veto of faculty-proposed changes by a single administrative officer on other than financial grounds should be avoided.*

The following are examples of skills which the physical therapist should possess to communicate effectively:

- *Recognizing the effect of her/his own verbal or non-verbal communications*
- *Being receptive to message of others, whether expressed verbally or non-verbally*
- *Asking relevant and understandable questions*
- *Giving accurate and appropriate information concisely and clearly*
- *Giving patients and their families clear and concise directions using lay or medical terms for body parts and disorders as indicated*

Other kinds of performance skills include:

- *Estimating current costs of providing services, establishing charges, and identification of methods for minimizing costs*
- *Implementing a practical system for ongoing assessment of the quality of care provided by the service*
- *Implementing policies to ensure safe and ethical practice in keeping with medico-legal principles*
- *Estimating needs for manpower at various levels and delegation of responsibility and scheduling of activities for available personnel*
- *Estimating needs for recruitment, selection, orientation, retention, and promotion of new personnel for the service*
- *Estimating facility and equipment needs, and establishing planning priorities for their acquisition as a basis for budget planning*
- *Hypothesizing about probable consequences for physical therapy services as a result of changing patterns in delivery of health care*
- *Identifying and utilizing sources of expert assistance in planning physical therapy services*
- *Relating the functions of physical therapy to those of other elements in the health care system of the community*

The curriculum should encourage:

- *Acquiring awareness of major developments in theory and practice*
- *Being flexible in adapting to new and changing concepts and practice*
- *Identifying unsolved problems which exist in physical therapy*
- *Identifying her/his own areas of special interest and opportunities for involvement in these areas*
- *Identifying additional knowledge and skills needed to improve her/his function in areas of special interest*
- *Recognizing and becoming involved in the resources for continuing education*
- *Recognizing areas in need of research and understanding some of the major research methods in use to evaluate published or presented work*
- *Participating in community health planning*
- *Understanding and practicing professional ethics*
- *Recognizing major social issues and health trends which influence the field of physical therapy*

III. RESOURCES

A. Personnel Resources

The instructional staff shall be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

1. Program Director
   a. Qualifications
      1. The director shall be a physical therapist with special competence in educational administration and curriculum.
      2. The director shall have had adequate clinical, administrative, and classroom experience.
      3. Except in unusual cases when special professional experiences can be considered the equivalent, the director shall hold the master's or doctoral degree in an appropriate field.

The director is expected to be licensed as a physical therapist by the state board of examiners for the state in which the program is based. Evidence of competence in educational administration and curriculum planning will ordinarily consist of graduate study in those areas and of recent experience on the academic faculty of an established physical therapy educational program.

The director's competence in educational administration and curriculum planning should include knowledge of trends in higher education and their implications for physical therapy education, as well as familiarity with current legislation in health and education having potential impact on physical therapy practice.

The director should have at least five years of experience in the various aspects of physical therapy practice, three years of which should be clinical.

   a. Responsibilities
      1. The director brings together the many and varied talents in a department for the total effort and the optimum utilization of individual abilities.
      2. The director maintains communications within the department on an interdepartmental, university, and community level.
      3. The director provides leadership in teaching activities, in recruiting students, in encouraging the development of the staff, in budgeting, in establishing priorities, and in delegating departmental responsibilities.
      4. The director takes an active part with the rest of the faculty in seeking facilities and resources for research and special teaching projects.
      5. The director has chief responsibility for the development, maintenance, and updating of the curriculum.

2. Classroom Faculty

All persons with major teaching responsibilities shall hold academic appointments in the institution in which the program is located.

   a. Qualifications
      1. Except in unusual cases when special professional experiences can be considered the equivalent, all classroom faculty shall hold the master's or doctoral degree.
      2. Physical therapist faculty members shall have had sufficient clinical experiences to enable them to relate classroom theory to the realities of current and changing aspects of clinical practice in a practical and interesting manner.
      3. Instructors responsible for basic courses in the natural, biological, and social sciences shall ordinarily hold an advanced degree in that discipline, be active in it, and hold an appointment in the appropriate academic department. They may or may not be qualified as professional physical therapists.
      4. Faculty members shall have special competence in those areas of the curriculum for which they are responsible.

Faculty members shall not be expected to teach in all parts of the program or to frequently vary the curriculum area for which they are responsible. Collectively, physical therapy faculty members shall have complementary strengths and special expertise in varying areas.

   b. Responsibilities
      1. The majority of classroom faculty shall devote full time to the educational program, although a limited number of part-time faculty and guest lecturers may be used to enrich program offerings.
      2. All classroom faculty shall have and must use regular opportunities for renewal and extension of their own knowledge and skills.

3. Clinical Faculty
   a. One person in each facility who is familiar with basic theory and method of planning educational activity shall be designated as responsible for the student affiliation program in that institution. This person shall have continuing, regularly scheduled contact with the classroom faculty and program administration throughout the year.
   b. Professional staff shall be available in each affiliating center to assist with student education and supervision. Staff members to whom students are assigned shall have been formally oriented to the structure and goals of the total educational program and to the special purpose of the clinical phase of that curriculum.
   c. Professional staff who are assigned to work with the students shall:
      1. Be available in sufficient numbers to ensure

supervision of all students by a professional physical therapist despite temporary absences of individual staff or of the supervisor of clinical education.

2. Have had a minimum of one year of full-time clinical experience.
3. Ensure that the student has opportunities for meaningful interaction with physicians who utilize the services of physical therapy for their patients.

All clinical faculty shall participate in continuing education programs for renewal and extension of their knowledge and skills. This may be accomplished by use of opportunities such as those outlined for classroom faculty.

4. Medical and Basic Science Faculty

There shall be substantial evidence of institutional commitment to support the educational program by providing adequate mechanisms to ensure ongoing provision of appropriate instruction on subject matter usually covered by faculty based in other departments such as clinical medicine, anatomy, physiology, psychology and social sciences. In executing this commitment, the sponsoring institution shall:

   a. Designate a qualified physician to participate with the program director and faculty in developing and coordinating appropriate instructional services concerning medical and surgical topics relevant to physical therapy; and
   b. Provide administrative support to ensure adequate commitment of basic science departments to meet the reasonable and legitimate needs of the program.

B. **Financial Resources**

1. The institution which accepts responsibility for the education of physical therapists shall be prepared from the onset to provide a major portion of the total budget required. As the program grows, financial support for the program should increase to reflect rising costs and an increase in total tuition payments by the enrolled students.
2. The director of the professional curriculum shall be actively involved in both immediate and long-range planning and budget management.
3. The program shall not substitute students for paid personnel to conduct the work of the clinical facility.

C. **Facilities Resources**

1. There shall be adequate classroom and laboratory space as well as adequate administrative offices.
2. There shall be space and resources for independent study available to students.
3. There shall be space for faculty and student meetings.
4. There shall be secretarial services and space adequate to meet the needs of both program administration and faculty.
5. There shall be one or more primary areas with adequate learning opportunities for clinical education.
6. Appropriate modern equipment and supplies for directed experience shall be available in sufficient quantities for student participation.
7. Faculty of the program shall participate in, or conduct, and document an annual review of the adequacy of the facilities currently available in relation to the types of learning experiences offered and the numbers of students enrolled, and make written recommendations to appropriate administrative officers regarding projected needs of the program.

The faculty should have full opportunity to participate in the activities of the total faculty of the institution as well as those of their own program.

A sufficient number of full-time faculty should hold appointments to the program to ensure that:

- *The student-faculty ratio allows for continuing individual counseling of students by professional program faculty throughout their period of study.*
- *The student-faculty ratio for laboratory activities should not exceed 16 to 1 (as the upper limit).*
- *The faculty teaching loads approximate those recommended by the American Association for University Professors: 12 semester hours credit per semester.*
- *There is an adequate reserve of faculty to provide continuity of coverage when an individual faculty member is temporarily absent.*
- *The variety of faculty background allows expression of different ideas and points of view in faculty planning conferences, and exposure of students to a variety of approaches in the instructional program.*

Two years of experience should in most cases be regarded as minimum for faculty who are teaching physical therapy theory and procedures. In addition, if contact with patients is not possible as a regular part of faculty appointments, an opportunity should be provided for some of the faculty to spend blocks of time in a clinical setting at periodic intervals.

This involvement should be in some form of scientific research whether it is clinical, laboratory, or literary. Formal scientific research is only one of the appropriate forms of contributory activity, but its importance is such that at least some of the faculty should be regularly involved in such investigations. The time and other resources necessary for this component of faculty responsibility should be considered a basic element in program planning and budgeting.

Classroom faculty should be regularly involved in some type of scholarly activity designed to contribute to assessment, synthesis, or expansion of professional knowledge.

These opportunities are generally referred to as continuing education. Continuing education is a fundamental aspect in the maintenance of a qualified faculty. Continuing education endeavors should include:

- *Study of current methods and new developments in the general field of physical therapy in addition to study of special areas of interest to the faculty memeber.*
- *Study in areas of general applicability to physical therapy including: clinical areas, methods of teaching, development of administrative skills, and the changing role of physical therapy in relationship to the health sciences and the community.*

Some methods used to obtain continuing education (varied among the many available) are:

- *Reading published literature in scientific journals*
- *Attending workshops, scientific meetings, seminars, lectures, and experiences of equivalent educational merit*
- *Watching televised educational programs and listening to educational tape recordings*

The supervisor of clinical education should:

- *Have formal approval from the administrator of the facility to participate in the teaching program*
- *Be formally recognized as a member of the university program faculty in whatever way is most appropriate in terms of that institution's policies*
- *Be available in the facility on a full-time basis throughout the period of all student affiliations*
- *Have varied clinical experience (three years will ordinarily be a minimum), preferably in more than one facility*
- *Be familiar with basic theory and method of planning educational activities*

Financial

Because the per student cost of quality education at the professional level is necessarily high, it will usually be impossible for the parent institution to meet the full cost of operation from tuition payments alone. Additional support from gifts, endowments, and grants must be sought as needed through a process which includes realistic long-range planning. In particular, when grant support is an important element of an overall funding of the program, there should be careful advanced planning to identify sources of alternative funding to cover budget needs when and if grant support is reduced or terminated.

The director as well as all members of the professional program faculty should have an opportunity to participate in the establishment of the priorities on which budget planning and allocation of resources are based. They should be advised of the institutional policies and procedures which form the framework for fiscal planning.

As a basis for budget planning, the present and anticipated costs of program operation should be calculated for the total program and on a per-student basis. Projections should include such items as the number of students that will be enrolled, the number of instructors needed, and the number of sections in each of the required subjects to be covered. Other considerations are provisions for faculty participation in continuing education activities, books to be purchased by the library, plant maintenance and upkeep and all the other needs of the program for the fiscal period. Provisions should be made for contingencies and emergencies and for vacations, sabbatical leaves and other faculty benefits.

Because the budget consists of a series of estimates, many of which are prepared months in advance of the fiscal period to which they are related, periodic revision should be made in order that the budget may always represent a realistic plan for expenditures.

Facilities

It is the responsibility of the sponsoring institution to ensure that students assigned to an affiliating clinical facility are engaged in planned activities designed to complement the academic phase of the program; that each student is adequately supervised; and that students are not exploited.

These facilities are expected to be conveniently located, well-lighted, ventilated, and maintained at comfortable temperatures in relation to the activities being conducted.

Administrative offices for the program director and supportive personnel should be adequate in size, design, and location to enable the administrative functions of these persons to be conducted effectively and efficiently.

Each full-time faculty member should be provided with adequate office space which is well-lighted, ventilated, maintained at a comfortable temperature, and large enough to advise students and keep files.

At least one basic laboratory for instruction in physical therapy skills and treatment techniques should be assigned permanently to the physical therapy program. If clinical facilities are readily accessible and available at convenient times, they may be used for part of the laboratory instruction in physical therapy procedures, but additional laboratory space is usually needed for demonstration and practice of techniques.

Additional classroom space required for lectures, demonstrations, and laboratory activities may be shared with the other university programs, so long as it is available at suitably scheduled times to meet the needs of the program.

In addition to the resources available to the educational program for the physical therapist, there should be an adequate learning center. Each school should have its own library, teaching materials, and audiovisual aids center. The important factor is that students be provided with adequate access to journals and textbooks they need to prepare for classroom participation and to complete assignments requiring library research on a topic.

The number of secretarial and clerical personnel assigned to provide supportive services for the program will vary in relation to the operational requirements of the program. However, it is expected that the routine administrative work of the program is sufficient to justify at least one full-time secretary. Additional supportive personnel may be needed to type course materials for individual faculty members and to prepare correspondence related to admissions or clinical education.

A primary area for clinical education is defined as a well-established physical therapy service which is utilized for the initial directed clinical education of students and which is geographically convenient to permit early integration of clinical and didactic learning.

IV. STUDENTS

A. Selection

The academic standards for the students shall reflect the requirements and the purposes of both the educational institution and the program of physical therapy. There shall be a published statement of criteria for the recruitment, selection, retention and evaluation of students.

B. Health

The sponsoring institution shall provide health services for its students. This shall include provisions for adequate coverage during periods when students are off campus at clinical affiliations.

C. Number

The number of students enrolled in each class must be commensurate with the most effective learning and teaching practices and shall also be consistent with acceptable student-teacher ratios.

D. Counseling

Testing and counseling services shall be available to the student prior to enrollment and shall continue throughout the entire educational program.

RECORDS

A. Student

Records of classroom, laboratory, and clinical experience of each student shall be maintained in accordance with the requirements of the institution.

B. Curriculum

1. A copy of the current curriculum shall be kept available.
2. Copies of all materials utilized to implement the curriculum shall be available for review by representatives of the accrediting agencies.

Information should be provided by the educational institution, including assistance to students who seek part-time employment opportunities, scholarships, and loans. Assistance should also be provided to graduates of the program of physical therapy who are seeking appropriate employment.

V. OPERATIONAL POLICIES

A. Announcements and advertising must reflect accurately the program offered.

B. Student matriculation practices and student and faculty recruitment shall be non-discriminatory with respect to race, color, creed, sex, age, handicap(s), or national origin.

C. Academic credit and costs to the student shall be accurately stated and published.

D. Policies and processes for student withdrawal, and refunds of tuition and fees, shall be published and made known to all applicants.

E. The institution shall comply with *Fair Practices in Education* as established by the Committee on Allied Health Education and Accreditation (CAHEA).

VI. CONTINUING PROGRAM EVALUATION

A. A process for periodic and systematic review of the program's effectiveness must be documented. The results of these reviews must be considered and reflected in policies developed and in the program's self-study.

B. One element of program evaluation shall be the employment record of graduates of the program.

VII. MAINTAINING ACCREDITATION

A. The Annual Report form provided by the Committee on Allied Health Education and Accreditation shall be completed, signed by an appropriate official, and returned by the established deadline.

B. If the program director, medical director, or education coordinator of an accredited program is changed, prompt notification shall be sent to the Department of Allied Health Evaluation of the AMA. A curriculum vitae of the new program official, giving details of training, education, and experience in the field, shall be provided.

C. The Committee on Allied Health Education and Accreditation may withdraw accreditation whenever the educational program is not maintained in substantial compliance with the *Essentials* outlined herein; or there are no students in the program for two consecutive years.

D. Accreditation shall be withdrawn only after notice has been given to the chief executive officer of the institution that such action is contemplated, with the reasons therefore, and with sufficient time to permit a considered response. Established procedures for appeal and review shall be available.

ADMINISTRATION OF ACCREDITATION

1. Application for accreditation of a program should be made to:
   Department of Allied Health Evaluation
   American Medical Association
   535 N Dearborn St
   Chicago, IL 60610
2. The evaluation and accreditation of a program can be initiated only at the written request of the chief executive officer of the sponsoring institution or an officially designated representative.
3. A sponsoring institution may withdraw its request for initial accreditation at any time (even after the site visit) prior to final action.
4. The program being evaluated is given the opportunity to review the factual report of the visiting survey team and to comment on its accuracy before final action is taken.
5. CAHEA and cooperating review committees will periodically resurvey educational programs for continued accreditation.
6. The chief executive officer of the sponsoring institution may request that a return on-site evaluation be made in the event of significant deficiencies in the performance of an earlier evaluation team.
7. Adverse accreditation decisions may be appealed by writing to CAHEA. Due process will be followed.

Essentials and Guidelines of an Accredited Educational Program for the Radiation Therapy Technologist

Essentials initially adopted 1968; revised 1976
Adopted by the
AMERICAN COLLEGE OF RADIOLOGY
AMERICAN MEDICAL ASSOCIATION
AMERICAN SOCIETY OF RADIOLOGIC TECHNOLOGISTS

Guidelines approved 1979

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATION IN RADIOLOGIC TECHNOLOGY

Essentials, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
Guidelines, explanatory documents which clarify the *Essentials,* are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials.*

PREAMBLE

OBJECTIVE

The education and health professions cooperate in this program to establish and maintain standards of appropriate quality for educational programs in the allied health professions and sevices, and to provide recognition of educational programs which meet or exceed the minimum standards outlined in these *Essentials.*

These standards are to be used as a guide for the development and self-evaluation of allied health educational programs. Lists of the accredited programs are published for the information of employers and the public. Students in radiation therapy technology are taught to work with and under the direction of physicians in providing health care services to patients.

Program graduates qualify as candidates for examination in radiation therapy technology by the American Registry of Radiologic Technologists.

DESCRIPTION OF THE OCCUPATION

The tasks performed by and the duties assigned to a radiation therapy technologist include but are not necessarily limited to the following. These tasks shall be carried out under the direction of a radiation therapist, or, where appropriate, a radiation physicist.

1. To deliver accurately a planned course of radiotherapy with minimal supervision
2. To check the physician's prescription and to determine any mathematical errors
3. To make beam-directional shells and to prepare dental radium molds
4. To keep accurate daily records and to record technical details of the treatment administered
5. To prepare brachytherapy equipment and to handle all types of radioactive material used in therapeutic radiology
6. To assist the physicist in calibrations of equipment and in preparation of isodose curves, or wedge and compensating filters, and of data for computer estimations
7. To detect the malfunctions of equipment and to know when the safe limits of malfunction have been reached
8. To be familiar with the rules and regulations for radiation therapy safety; to detect any defects which might become a radiation hazard; and to maintain control when a radiation accident occurs
9. To render care and comfort to the patient; to apply simple surgical dressings; to assist in minor surgical procedures; and to care for surgical instruments with aseptic techniques
10. To observe the clinical progress of the patient undergoing radiotherapy; to recognize the first signs of any complication; and to know when to withhold treatment until the physician is consulted
11. To supervise the follow-up program and to record accurately statistically important information
12. To understand fully the function of equipment and to be able to use it to its full potential
13. To understand the use of wedge and compensating filters and to appreciate the results of misuse or omission during a course of treatment

REQUIREMENTS FOR ACCREDITATION

The interspersed guidelines have been prepared to facilitate the organization and establishment of programs in radiation therapy technology. The framework for these guidelines is the Essentials of an Accredited Educational Program for the

Radiation Therapy Technologist *(revised 1976). These* Essentials *were developed in cooperation with the American College of Radiology and the American Society of Radiologic Technologists.*

The Essentials of an Accredited Educational Program for the Radiation Therapy Technologist *cover all types of radiation therapy technology programs. There are currently four types of programs in operation in the United States:*

1-year hospital-based certificate programs
2-year hospital-based certificate programs
2-year associate degree programs
4-year baccalaureate degree programs

The guidelines will clarify the Essentials *and provide the different types of programs with guidance in interpreting them.*

I. SPONSORSHIP

Educational programs may be established, sponsored and conducted by

A. Hospitals or autonomous radiation oncology centers which meet the standards of the American College of Radiology (ACR) as major cancer management centers
B. Medical schools
C. Junior colleges, senior colleges and universities

These institutions must be accredited by the appropriate regional accrediting body. Each clinical facility used for educational purposes must meet the standards of the ACR for a major cancer management center. All types of institutions involved in the teaching program must be acceptable to the Committee on Allied Health Education and Accreditation (CAHEA).

Identification of Sponsoring Institutions

The Joint Review Committee interprets the following functions, as stated in the Committee on Allied Health Education and Accreditation (CAHEA) "Policy Statement on Identification of Sponsoring Institution" (September 1977), as indispensable responsibilities of the program sponsor.*

In considering the accreditation status of educational programs involving the facilities of more than one institution, the Committee on Allied Health Education and Accreditation has established standards for identification of the program sponsor. Institutions and consortia may be identified as the program sponsor if they substantially meet the following criteria:

1. *Sponsoring institution assumes primary responsibility for curriculum planning and selection of course content, in consultation with representatives of affiliating institutions.*
2. *Institution exercises primary responsibility in coordination of classroom teaching and supervised clinical experience in simulated as well as in actual clinical facilities.*
3. *Institution appoints faculty to program based on established criteria for eligibility, including professional and academic qualifications.*
4. *Institution demonstrates evidence of sound financial support of the educational program on a current and continuing basis.*
5. *Institution receives and processes applications for admission to program.*
6. *Accepted applicants are enrolled as full- or part-time students with all customary privileges for use of available student services and facilities.*
7. *Institution grants degree or certificate, or other official evidence of completion of program. Military Medical Departments are considered to be program sponsors although they may be affiliated with civilian educational institutions for the purposes of obtaining academic credit—so long as this does not jeopardize a university's accreditation status or transcend regional accreditation.*

ACR Standards for a Major Cancer Management Center

Hospitals and radiation oncology centers which sponsor programs or provide clinical education as major affiliates must meet the following criteria for major cancer management centers published by the American College of Radiology in "Guides for Determining Standards of Radiotherapy in Approved Cancer Center" (1968):

1. *Personnel*
   a. *Radiotherapist*
      (1) *Radiotherapy shall be in the charge of a physician who is qualified in therapeutic radiology (Board certified or eligible) and whose entire effort is essentially devoted to the practice of the specialty.*
      (2) *The radiotherapist shall be a member of the Tumor Board or Tumor Clinic Committe.*
      (3) *The radiotherapist must attend pertinent clinic sessions.*
      (4) *The radiotherapist must be a regular member of the medical staff of the hospital or institution to which the clinic is attached. The radiotherapist shall have the right to assume the responsibility of admitting patients for in-patient care.*
      (5) *The radiotherapist must be responsible for the planning and execution of all radiotherapeutic procedures. This does not preclude the team approach which, in fact, is desirable.*
   b. *Physicist*
      A qualified radiation physicist should be available to the radiotherapist on a full-time basis.
   c. *Technologists*
      There must be an adequate staff of qualified radiotherapeutic technologists.
   d. *Clerical and secretarial help*
      Sufficient clerical and secretarial help must be available so that records may be kept complete and up-to-date.
2. *Facilities*
   a. *Radiotherapeutic*
      Present-day practice requires that, in addition to conventional low and medium voltage equipment of modern design, some adequate device operating in the megavolt range be avilable.
   b. *Radium and/or radium substitutues must be available either by ownership or through rental in suitable form and amount.*
   c. *The use of these facilities must be under the control of the radiotherapist.*
3. *Clinical Material*
   a. *Except where unusual circumstances prevail, at least 300 new cases of neoplastic disease treated by radiation therapy a year are necessary to maintain an adequate experience. This material should represent a reasonable variety of neoplastic disorders, except in certain specialized institutions—for example, a tumor clinic in a gynecologic hospital.*
   b. *For radiotherapeutic in-patient service, see 1 a (4) above.*
4. *Records and Follow-up*
   a. *Adequate records of all radiotherapeutic procedures must be kept.*

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*In 1977, the Committee on Allied Health Education and Accreditation (CAHEA), an interdisciplinary body with broad representation from the allied health accreditation community of interests and the public, was delegated the accreditation responsibilities formerly held by the Council on Medical Education of the American Medical Association.

b. An adequate system of follow-up of all patients treated by radiotherapeutic procedures must either be kept in the Department of Radiotherapy or be available through the hospital or clinical records.

c. Regular reports concerning the results of treatment should be made to the staff.

5. Radiation Health and Protection

a. Protection from radiation practices must meet requirements of government agencies where these exist and/or be approved by a competent radiation or health physicist.

b. Records of exposure of personnel must conform to requirements of government agencies where these exist and/or be approved by a competent radiation or health physicist.

6. Other Services

Services adequate for consultation in roentgen diagnosis, radioisotope diagnosis, surgery, medicine, clinical laboratory and pathologic procedures must be available.

"Fair Practices in Education"

Sponsoring institutions are expected to demonstrate accountability to the public, students and the profession for the effectiveness and legitimacy of the educational process.

This accountability includes compliance with the Committee on Allied Health Education and Accreditation policy on "Fair Practices in Education" (January 1978; editorially revised, January 1979), incorporated by reference in the "Recommended Standard Format for Essentials":

Announcements

1. Announcements and advertising must accurately reflect the program offered; they must not misrepresent or mislead.

Non-discrimination

2. Student and faculty recruitment and student matriculation practices shall be non-discriminatory with respect to race, color, creed, sex, age, handicap(s), or national origin.

Safety

3. The health and safety of students, faculty, and patients associated with student educational activities must be adequately safeguarded.

Matriculation

4. The program must be educational and students must use their scheduled time for educational experiences.

5. Student recruitment practices must permit students to exercise free choice of programs.

6. Student and faculty recruitment practices must not be misrepresentative. Overstatement of financial rewards must be avoided in order to prevent unrealistic income expectations on the part of graduates.

Financial

7. Costs to students must be reasonable and must be accurately stated and published.

8. Policies and processes for student withdrawal and tuition refund must be fair, published, and made known to all applicants. The program must not use high pressure techniques with students in recruiting, registering, or contracting. Unexpended tuition or fees to which the student is entitled must be refunded.

9. Financial arrangements must be fair to the students and to the school. Students must not be encouraged to arrange loans with excessive interest rates or to take out loans which lead to indebtedness that is excessive in relation to the potential earnings of a program graduate.

10. The program must not assign excessive credit hours to coursework to obtain unjustified tuition income.

The Committee on Allied Health Education and Accreditation refers charges of alleged unfair practices to the appropriate review committee for investigation and recommended action.

II. CLINICAL EDUCATION CENTERS

A. The clinical phase of the educational program must be conducted in a major cancer management center under the direct supervision of a full-time radiation therapist and a registered radiation therapy technologist (ARRT).

B. When more than one clinical facility is used, each must meet the standards of the ACR as a major cancer management center.

C. When academic preparation and supervised clinical education are not provided in the same institution, accreditation must be obtained by the sponsoring institution for the total teaching program. This institution will be the one responsible for admission, curriculum and academic credit. The accrediting institution shall be responsible for coordinating the program and assuring that the activities assigned to the student in the clinical setting are educational. There shall be a uniform contract between the accrediting institution and each affiliate, clearly defining the responsibilities and obligations of each.

D. At the clinical facility an effective ratio of teaching staff to students must be maintained. A minimum ratio of one registered radiation therapy technologist (ARRT) to two students is regarded as acceptable. The maximum student capacity shall not exceed the recommendation of the Joint Review Committee on Education in Radiologic Technology.

Clinical Rotations (Essential II.B and VII.B)

Competency-based clinical education requires a well-balanced educational experience for the students; clinical rotations should therefore be developed in advance for each year of the program.

Clinical education should include the following:

- *Patient treatment techniques utilizing a variety of megavoltage equipment.*
- *Localization and treatment planning utilizing a simulator or other radiographic equipment. Computerized treatment planning techniques should be included.*
- *Radiation therapy physics, including dosimetry, machine calibration, quality assurance, handling of sealed radioactive sources, and protection.*
- *Patient follow-up, patient care, and patient record keeping.*
- *Appropriate rotation. Students in a one-year program may elect to rotate for observation to the following areas: medical oncology, nuclear medicine, and radiography. Well structured rotations are recommended for students in a program of two or more years.*

Affiliation Agreement (Essential II.C)

Where the clinical portion of the program is conducted in more than one institution, a written agreement must be executed between the sponsor and each clinical facility.

Student Capacity (Essential II.D and VI.D)

To ensure that there is sufficient clinical material and radiotherapy equipment for each student to receive a thorough clinical education, the Joint Review Committee computes student capacity in each clinical facility according to the following formula:

two (2) students per megavoltage unit and ½ student per simulator plus ½ student per dosimetrist;

or

two (2) students per registered radiation therapy technologist.

The smaller of the two figures calculated using the above *formula is used to determine the on-site capacity of each clinical facility. The sum of the on-site capacity for each clinical facility is used to determine the total student capacity of the program. In the case of a college-based program where first- and second-year students are never on-site at the same time, the total student capacity may vary from the sum of the on-site capacity.*

All hospital sponsors and clinical education centers of programs should use the worksheets provided in the self-study application forms to present information on which the Joint Review Committee will base its student capacity decision.

III. FACILITIES

A. Adequate space shall be provided at the sponsoring institution for classrooms, laboratories, libraries, administrative offices, etc. At all affiliated institutions, such space as is required for these facilities shall be available.

B. Sufficient scientific equipment, instructional aids, supplies and materials shall be provided as required for active student participation.

C. A full range of modern radiation therapy equipment, including a megavoltage unit and/or a teletherapy unit, sealed radioactive sources, a superficial x-ray unit, a diagnostic x-ray unit to be used in treatment planning, and a brachytherapy preparation room, shall be available for student use during directed clinical education.

D. The sponsoring institution and its affiliates shall conform to all provisions relating to radiation safety standards as defined by federal, state and local legislation.

The sponsoring institution must provide office space for the director of education. Sufficient space should be available to ensure privacy for student interviews and counseling.

Students must have access to the institutional libraries, and the department should maintain a library of current radiation oncology texts and journals.

The classroom assigned to the radiation therapy program should be available during all regularly scheduled classes. The classroom should contain, as a minimum, a chalkboard, view boxes, and a projection screen. A reasonable selection of teaching aids and audiovisual equipment should be available.

Adequate space must be allotted to the students to complete their laboratory assignments during the physics rotation.

IV. FINANCES

A. The sponsoring institution shall show commitment to financial support for the program.

B. The sponsoring institution shall not charge fees inconsistent with other allied health professions in that institution.

C. All advertising must be appropriate to an educational institution.

D. The sponsoring institution and its affiliates shall not substitute students for staff in order to perform the functions of the clinical facility.

The sponsoring institution must show financial responsibility to the program, either by developing a program budget or by showing financial commitment to the program within the department budget. If a program budget relies heavily on monies obtained from grants, endowments and other outside sources, the institution should be able to demonstrate financial commitment to the program should this support become unavailable.

V. FACULTY

The instructional staff shall include as a minimum one radiation therapist, one radiologic physicist, and one registered radiation therapy technologist (ARRT), each suitably qualified through academic preparation and professional experience to teach assigned courses.

A. **Director of Education**

1. Qualifications
   a. Shall be a technologist suitably qualified in radiation therapy technology and educational methods
   b. Must be registered in radiation therapy by the American Registry of Radiologic Technologists and hold a current license as required by state or national authority
   c. Should have completed five years or more of experience as a senior radiation therapy technologist in a major cancer management center
   d. Should have completed two years of experience as an instructor in an educational program in radiation therapy technology
2. Responsibilities
   The director of education shall be primarily responsible for the organization, administration and continued development of the program.

B. **Medical Director**

The medical director shall be a radiation therapist as defined by "Minimum Standards of Radiation Therapy in Major Cancer Management Centers" (American College of Radiology). The medical director shall provide competent medical direction to the program.

C. **Radiologic Physicist**

The radiologic physicist should have spent at least three years in a major cancer management center to be familiar with all methods of delivering high doses of radiation to human beings in addition to methods of measuring and computing doses in clinical situations. The radiologic physicist shall be certified or eligible for certification by the American Board of Radiology or its equivalent in radiation therapy physics.

D. **Instructional Staff**

The instructional staff shall individually be qualified to teach the subject assigned. Programs for continuing staff education must be planned and supported.

E. **Advisory Committee**

For programs involving more than a single institution, an advisory committee must be appointed to assist the directors in continuous program development and evaluation, in faculty coordination, and in ensuring effective clinical relationships. Programs having minimal or no extra-institutional activities shall provide for periodic review and updating of program standards and curriculum content by the director and institutional staff.

F. **Change of Director**

If the director of education or the medical director of a program is changed, immediate notification shall be sent to the Department of Allied Health Evaluation of the AMA and to the Joint Review Committee. A curriculum vitae of the new director with details of training, education and experience in the specialty must be submitted. If the new director's credentials are in order, approval of the program will continue until the next scheduled review date.

Director of Education

A detailed job description should be available to define the responsibilities of the director of education (program director, technical director). If the director of education has clinical or other duties, the job description should ensure that these do not conflict with program responsibilities. For programs in which the clinical education is conducted in more than one facility, the director of education should have sufficient time allocated to visit these institutions regularly for program coordination.

Clinical Supervisor

Each clinical facility should appoint a technologist who is responsible for on-site student education. This clinical supervisor should be familiar with the clinical objectives and program goals. The director of education may function as the clinical supervisor in hospital-sponsored programs.

Clinical Instructor

Staff technologists who accept the responsibility of student supervision function as clinical instructors in the program. Clinical instructors should be familiar with the clinical objectives and program goals in order to evaluate student performance.

Instructors

Instructors in the program should be granted sufficient released time from other duties for preparation of didactic material.

Advisory Committee Composition

The advisory committee should be representative of the groups involved in or affected by the educational program. The committee should therefore include administrative and professional personnel from the sponsor and from affiliate institutions (i.e., the program director and the medical advisor, radiation therapists, staff technologists, administrators, faculty members); students (on invitation if not on a regular basis); and representatives from the "community of interest" (medical oncology, health care education, consumers, etc.) who might employ, supervise, or receive services from graduates of the program. A procedure for electing a chairperson should be established.

Advisory Committee Functions

The advisory committee should hold regularly scheduled meetings; the agenda should be distributed in advance, and minutes should be recorded and filed. Initially, the advisory committee should play a key role in developing the curriculum, recruiting students, and formulating policies (admissions criteria, performance evaluations, etc.). After the program has been established, the committee should periodically review the curriculum to ensure that it reflects new techniques and procedures; assist in exit and post-graduate evaluations of student capabilities; serve in a public relations capacity within the medical and allied health communities; and assist in placing graduates. The program should provide for channels of communication between the advisory committee and the individuals in a position to make program decisions and should ensure that the program will be responsive to reasonable recommendations from the advisory committee.

Non-discriminatory Policy

CAHEA has incorporated in the "Recommended Standard Format for Essentials*" the statement that "student matriculation practices and student and faculty recruitment shall be non-discriminatory with respect to race, color, creed, sex, age, handicap(s), or national origin."*

VI. STUDENTS

A. Selection

1. In colleges and universities, the accepted practice shall be that of the sponsoring institution. When an "open admission" policy applies, it is recommended that the student satisfy the eligibility requirement for the examination of the American Registry of Radiologic Technologists and/or state licensing boards.
2. In hospital-based programs, an admission committee must be established and standard criteria for student selection must be determined.
3. Applicants must be high school graduates (or equivalent) with good educational background in basic science and mathematics. They should have a mature personality and good moral character.
4. In the one-year program, the candidate for admission must satisfy one of the following minimum requirements:
    a. Be a graduate from a CAHEA-accredited program in radiography
    b. Be a registered nurse who has successfully completed a course in radiation physics equivalent to one college semester
    c. Have equivalent training

B. Health

Evidence of good health and successful vaccination should be obtained. All institutions should provide students with the same physical examination and immunization provided for employees working in the same environment.

C. Stipends

Stipends may be granted, but shall not be contingent upon required service, and no student shall be used to replace personnel employed at the clinical facility.

D. Number

The number of students enrolled in each class shall be commensurate with the facilities available, and the number of faculty shall be consistent with sound educational practices in a learning situation which requires a large measure of individual instruction. At no time shall the number of students exceed the total number for which the program is authorized according to the Joint Review Committee, nor shall the number of students concurrently assigned to the clinical education center exceed the number for which the affiliate is authorized.

E. Counseling

Guidance and placement service should be available to the student.

Tuition and Fees

Tuition and fees should be consistent with institutional policy; if credit hours are the basis for tuition, the number of credits required in the program should be consistent with the degree granted. Tuition and fees may contribute significantly to the support of the program, but they should not be used to generate income necessary to operate the entire program.

Student Loan Programs

Student loan programs, including loan forgiveness or contracts, should be clearly explained in program publications.

Liability Insurance

Provision should be made for liability and malpractice insurance for the students.

Counseling

The director of education is responsible for counseling the students who encounter problems with the program. The program should publish the standards it expects of the students. Disciplinary, dismissal and appeal procedures should be documented and be available to students and faculty for review.

VII. RECORDS

All records shall be retained for a period of at least five years.

A. Student

1. Transcripts of high school and/or college grades
2. Record of personal interview
3. Medical history and physical examination
4. Current medical and radiation record
5. Records of supervised clinical experience
6. Grades from all courses
7. Stipends or other financial support
8. Student attendance records and reasons for absence

B. Curriculum

1. Course outlines
2. Lesson plans and evaluation materials

3. Documentation of change or amendments
4. Clinical education rotation schedules
5. Final examinations

General Records

The master plan for education should include a system for maintaining records in order to document achievement of program goals and objectives; to indicate compliance with accrediting and program policies; and to provide a data base for program self-evaluation. Provisions for availability and security of records should comply with the "Family Educational Rights and Privacy Act of 1974" (Buckley Amendment). The system should be sufficiently detailed to provide for the continuity, delivery, and evaluation of the program in the event of staff changes.

Student Records

A complete record of a student contains the application to the program; high school, college, and previous program transcripts; radiation monitoring records; and summary data of the records mentioned above.

Curriculum Records

The director of education should maintain the following records regarding the program:

- *A detailed curriculum which includes an outline and lesson plan for each course*
- *The performance objectives for the program*
- *Didactic and clinical education schedules*
- *Copies of all testing material used in the program*

Clinical Records

Clinical records should confirm that a student is receiving a suitable variety and quantity of clinical experiences.

VIII. CURRICULUM

A. Educational programs of 24 months and 12 months may be developed. A 24-month program shall admit those candidates with a high school diploma (or equivalent) as outlined in VI A 3. The 12-month program shall be designed for those students admitted with backgrounds as outlined in VI A 4.

B. Instruction must follow a planned outline whch includes:
   1. Assigned textbooks for each course
   2. Selected reading assignments
   3. Close integration of classroom instruction and directed clinical experience
   4. Supervised laboratory sessions
   5. Seminars
   6. Tests, papers and final examinations covering all aspects of the didactic and clinical content of the program

C. The basic curriculum shall include complementary courses that provide a foundation for future study. The curriculum shall include but not necessarily be limited to the following:
   1. Anatomy and physiology
   2. Mathematics
   3. Physics
   4. Radiation physics
   5. Radioisotope physics
   6. Pathology
   7. Technical radiation therapy
   8. Treatment planning
   9. Oncology
   10. Seminars in radiation therapy
   11. Brachytherapy
   12. Nursing procedures
   13. Professional ethics
   14. Radiation safety
   15. Records and statistics

Each program should develop a curriculum which must be kept current and be available for students and faculty to review.

Clinical Objectives

The curriculum should include clinical objectives. All clinical supervisors and instructors should be familiar with the program goals and the clinical objectives. The regular evaluations of students should include assessments based on those clinical objectives in order to ensure a uniform standard of clinical education in the major affiliates. The director of education or the clinical supervisor is responsible for discussing these clinical evaluations with the student. Information regarding structuring, planning, and evaluating clinical education is available from the American Society of Radiologic Technologists, 55 E Jackson Blvd, Chicago, IL 60604. Specific guidance in developing a curriculum may be found in the Radiation Therapy Technology Curriculum Guide (1980) available from ASRT.

Textbooks should be assigned for each course, and students should be required to purchase most or all of these textbooks. A textbook should be available for each course instructor.

Laboratory Sessions

Laboratory sessions should be included in the physics rotation. Manual as well as computer dosimetry techniques should be a part of these laboratory sessions.

Conferences

Tumor conferences and other oncology-related conferences within the clinical facility should be included as part of the instructional program.

IX. ADMINISTRATION

A. Program

1. A written agreement shall be established between the sponsoring institution and each affiliate to define clearly the extent of the commitment and the division of responsibility. Complete responsibility for assigning students to facilities and for integrating the total program of study is the province of the sponsoring institution.
2. One member of the staff registered in radiation therapy technology at each clinical affiliate shall be identified as the clinical supervisor responsible for the students assigned to that institution and shall be a member of the faculty of the educational program.
3. All fees, policies, requirements and records for the program of study shall be established by the sponsoring institution and shall be uniformly applied to all students.
4. A catalog or other official publication shall be available and current. It shall include:
   a. Entrance requirements
   b. Required courses and their description
   c. Description of electives
   d. Names and academic rank of the faculty
   e. Tuition and fees
   f. Reasons for dismissal
   g. Rules and regulations concerning the operation of the program
   h. Description of hospital and other clinical facilities

B. Accreditation

1. Evaluation

   Evaluation, which includes a site visit, can be initiated only at the express invitation of the chief administrator or an officially designated representative of the sponsoring institution.
2. Withdrawal

   The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation (CAHEA) and collaborating organizations may withdraw accreditation whenever

a. The educational program is not maintained in accordance with the standards outlined above, or

b. There are no students in the program for two consecutive years. Accreditation is revoked only after advance notice has been given to the chief administrative officer of the sponsoring institution that such action is contemplated and the reason stated. Sufficient time will be provided for response and the use of established procedures for appeal and review.

3. Reevaluation
   a. Review
   The chief administrative officer of the sponsoring institution shall be given the opportunity to become acquainted with the factual part of the report prepared by the survey team and to comment on its accuracy before final action is taken.
   b. Appeal
   Accreditation decisions may be appealed in writing to CAHEA. At the request of the sponsoring institution, a second survey may be made.
4. Reports
   The Annual Report form provided by CAHEA shall be completed, signed by the appropriate official(s), and returned by the established deadline. A copy will be sent to the Joint Review Committee.
5. Resurvey
   The Joint Review Committee periodically resurveys educational programs and forwards recommendations regarding accreditation status to CAHEA.

Appeal

The appeals procedure is conducted according to due process. Probationary accreditation is not an "adverse accreditation" decision. Objections to such a decision should be addressed to the Joint Review Committee.

Annual Report

In addition to submitting an annual report, programs wishing to maintain accreditation will be periodically reviewed by the Joint Review Committee to determine whether or not they are remaining in substantial compliance with the Essentials.

Resurvey

A program should be reviewed once every five years or more frequently, if so indicated in the accreditation decision or if so warranted by post-accreditation circumstances. Programs undergoing review prepare a documented self-evaluation and undergo a site visit. The Joint Review Committee evaluates the program materials and then makes a recommendation of accreditation status to CAHEA.

APPLICATIONS AND INQUIRIES

1. **Accreditation**
   Application for accreditation of a program should be submitted to:
   Department of Allied Health Evaluation
   American Medical Association
   535 N Dearborn St
   Chicago, IL 60610
   Program evaluation and preparation of recommendations concerning accreditation status are prepared by:
   Joint Review Committee on Education in Radiologic Technology
   307 N Michigan Ave
   Suite 1801
   Chicago, IL 60601
2. **Careers and Curriculum**
   Inquiries regarding careers and curriculum should be addressed to:
   American Society of Radiologic Technologists
   55 E Jackson Blvd
   Suite 1820
   Chicago, IL 60604
3. **Registration/Certification**
   Inquiries regarding ARRT certification of qualified graduates of accredited programs should be addressed to:
   American Registry of Radiologic Technologists
   2600 Wayzata Blvd
   Minneapolis, MN 55405

SUPPLEMENTAL INFORMATION ON APPLICATIONS AND INQUIRIES

Application

Two copies of the completed CAHEA application form, signed by the chief administrator of the sponsoring institution and by the director of the educational program, as well as requested supplementary material, should be returned directly to the Department of Allied Health Evaluation. A copy of all application materials is forwarded to the Joint Review Committee on Education in Radiologic Technology, which will initiate the review process by forwarding application materials to the program. New programs seeking initial accreditation by CAHEA are requested to return the Joint Review Committee application materials no later than nine months (and preferably 12 months) prior to the anticipated date for admitting the first class of students.

Self-evaluation

After a program has submitted an application requesting consideration for CAHEA accreditation, the Joint Review Committee assists the program in preparing a documented self-evaluation (based on the *Essentials* and Guidelines), which includes identification of strengths and weaknesses and areas of concern. The Joint Review Committee staff appraises the self-evaluation and then arranges for a site-visit by a qualified team. The site-visit report submitted by the team and additional relevant materials are reviewed by the Joint Review Committee, which then makes an appropriate accreditation recommendation to CAHEA.

Review Committee

The Joint Review Committee on Education in Radiologic Technology, which includes three members appointed by the American College of Radiology and three members by the American Society of Radiologic Technologists, administers the voluntary peer review accreditation process, including both the initial evaluation and periodic resurveys. Assisted by a staff, the Joint Review Committee also plays a major role in developing and revising *Essentials* and in providing consultation and guidance to educational programs.

American Society of Radiologic Technologists (ASRT)

In addition to making suggestions and recommendations regarding accreditation policies and procedures through the three members it appoints to the Joint Review Committee, the ASRT supplies the Joint Review Committee, with a list of qualified radiation therapy technologist who are available for site surveys. ASRT also contributes to the accreditation process by establishing and elevating educational standards through the various activities of its education committee, especially in the areas of curriculum development and instructor preparation.

Certification

Inquiries regarding certification by other than ARRT agencies should be addressed to the National Commission for Health Certifying Agencies, 1101 30th Street NW, Washington, DC 20007.

Essentials and Guidelines of an Accredited Educational Program for the Radiographer

Essentials initially adopted 1944; revised 1955, 1969, 1978
Adopted by the
AMERICAN COLLEGE OF RADIOLOGY
AMERICAN MEDICAL ASSOCIATION
AMERICAN SOCIETY OF RADIOLOGIC TECHNOLOGISTS

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATION IN RADIOLOGIC TECHNOLOGY

> *Essentials*, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.
>
> Guidelines, explanatory documents which clarify the *Essentials*, are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials*.

PREAMBLE

OBJECTIVE

The collaborating organizations cooperate in establishing and maintaining standards of quality for educational programs in radiography and in providing recognition for educational programs that meet or exceed the standards outlined in these *Essentials*.

These *Essentials* are minimum standards for the development and self-assessment of programs in radiography.

DESCRIPTION OF THE PROFESSION

The radiographer is a skilled person qualified by technological education to provide patient services using imaging modalities, as directed by physicians qualified to order and/or perform radiologic procedures.

The radiographer shall perform effectively by:

A. Applying knowledge of the principles of radiation protection for the patient, self and others.
B. Applying knowledge of anatomy, positioning and radiographic techniques to accurately demonstrate anatomical structures on a radiograph.
C. Determining exposure factors to achieve optimum radiographic technique with a minimum of radiation exposure to the patient.
D. Examining radiographs for the purpose of evaluating technique, positioning and other pertinent technical qualities.
E. Exercising discretion and judgment in the performance of medical imaging procedures.
F. Providing patient care essential to radiologic procedures.
G. Recognizing emergency patient conditions and initiating life saving first aid.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Sponsoring institutions are expected to demonstrate accountability to the public, students and the profession for the effectiveness and legitimacy of the educational process.

The Joint Review Committee on Education in Radiologic Technology interprets the following functions, as stated in the Committee on Allied Health Education and Accreditation "Policy Statement on Identification of Sponsoring Institution" (September 1977), as indispensable responsibilities of the program sponsor:

In considering the accreditation status of educational programs involving the facilities of more than one institution, the Committee on Allied Health Education and Accreditation has established standards for identification of the program sponsor. Institutions and consortia may be identified as the program sponsor if they substantially meet the following criteria:

1. *Sponsoring institution assumes primary responsibility for curriculum planning and selection of course content, in consultation with representatives of affiliating institutions.*
2. *Institution exercises primary responsibility in coordination of classroom teaching and supervised clinical experience in simulated as well as in actual clinical facilities.*
3. *Institution appoints faculty to program based on established criteria for eligibility, including professional and academic qualifications.*
4. *Institution demonstrates evidence of sound financial support of the educational program on a current and continuing basis.*
5. *Institution receives and processes applications for admission to program.*
6. *Accepted applicants are enrolled as full- or part-time*

students with all customary privileges for use of available student services and facilities.

7. *Institution grants degree or certificate, or other official evidence of completion of program. Military Medical Departments are considered to be program sponsors although they may be affiliated with civilian educational institutions for the purposes of obtaining academic credit—so long as this does not jeopardize a university's accreditation status or transcend regional accreditation.*

A. Educational programs may be established in hospitals accredited by the Joint Commission on Accreditation of Hospitals (JCAH) or hospitals that are otherwise acceptable to the Committee on Allied Health Education and Accreditation (CAHEA).

"Otherwise acceptable" includes accreditation by the American Osteopathic Association (AOA). Hospitals without JCAH or AOA accreditation will be given individual consideration.

Hospitals losing their JCAH or AOA accreditation should so inform the Joint Review Committee on Education in Radiologic Technology and CAHEA, so that appropriate action may be taken.

B. Educational programs may also be established in postsecondary academic institutions accredited by recognized agencies or those which in the judgement of the Committee on Allied Health Education and Accreditation meet equivalent standards.

Acceptable "postsecondary academic institutions" include vocational or technical schools, community or junior colleges, senior colleges, and universities accredited by regional accrediting associations or by other recognized accrediting agencies.

Institutional accreditation establishes evidence that the program sponsor meets recognized professional standards for its primary mission. This same evidence should also be the basis for determining whether or not an institution meets "equivalent standards."

Sponsoring institutions utilizing clinical education centers are expected to ensure that these health care facilities are appropriately accredited.

In the event that a program loses its CAHEA accreditation, students successfully completing a program accredited by CAHEA at the time they were admitted are regarded as graduates of a CAHEA-accredited program.

II. INSTRUCTIONAL FACILITIES

A. General

The instructional facilities of the program should be compatible with the instructional strategies employed by the program and aid the achievement of the program goals and curricular objectives. The facilities provided for instruction are one measure of the institution's commitment to the program and the achievement of its goals.

1. Adequate classrooms shall be provided.

Classrooms should contain a seating and writing surface for each student in the class; have sufficient space to conduct demonstrations of procedures and to use audiovisual resources appropriate to teaching radiography; be equipped with proper lighting, temperature control, and ventilation; meet safety requirements; be available for all scheduled classes on a basis that allows faculty to plan a semester in advance in order to post class schedules and to prepare the room; be reasonably accessible so that travel time does not disrupt or negatively affect the educational process; and have room for student coats, books, and personal items.

2. Offices for administrative and instructional staff shall be provided.

Offices for the administrative and instructional staff should be reasonably accessible and suitably private to be conducive to planning, research, evaluation, and counseling responsibilities. These offices should also provide for the security of instructional materials, files, examinations, etc.

B. Clinical

Appropriate space, modern equipment and supplies for supervised education shall be available in sufficient quantity.

Modern radiographic equipment, accurately calibrated and in working order and meeting applicable national and state standards, should be available for the full range of diagnostic procedures, as indicated in the Guidelines to Essential III A. 1.

C. Laboratory

Energized laboratories shall be certified as required for compliance with federal and/or state radiation safety regulations. The use of laboratories shall be governed by established educational objectives. Appropriate evaluation systems to measure achievement of the objectives shall be in evidence.

Energized radiographic laboratories should be made available on a regular schedule to the student, either through the clinical educational center or on campus. Non-energized laboratories may also be used, as appropriate. The equipment in the laboratory should aid development of clinical competency, and the objectives and evaluation methods for the use of this equipment should be made available to the students. Laboratory supervision should be available during laboratory hours.

Documentation demonstrating that the energized laboratory meets federal and/or state radiation safety regulations should be posted or otherwise readily available for inspection. The institution should provide for the certification of the laboratory according to prevailing standards.

Laboratories should not be considered as substitutes for patient-oriented clinical education in health care facilities, but they may replace the classroom for presentation of some radiographic principles. If a laboratory is not available, the program should provide students with practice and demonstrations prior to allowing them to apply principles on patients.

D. Library

The library shall contain adequate up-to-date scientific books, periodicals and other reference material related to the curriculum and profession.

Holdings

The library owned and maintained by the program sponsor should contain enough printed and other media holdings to accommodate required study, to promote independent study and research, and to aid faculty in delivering and improving the program. Clinical education centers should provide access to reference materials to support the clinical assignments; these and/or supplementary materials may be supplied by the sponsoring institution. A list of holdings at the sponsoring institution and at the clinical education center should be available to students and staff.

Availability

Library holdings should be reasonably accessible with regard to location and hours of operation. Security and circulation of library holdings should be assigned to an appropriate individual.

III. CLINICAL EDUCATION

A. The clinical phase of the educational program shall provide an environment for supervised competency-based clinical education and experience and offer a sufficient and well-balanced variety of radiographic examinations and equipment.

Competency-based clinical education requires that students successfully completing the program be able to perform radiographic examinations according to accepted professional standards. Clinical education should therefore be a planned and structured experience. The clinical effectiveness of the program is evaluated by examining documentation of the following:

- *Balanced education in a sufficient quantity and variety of radiographic examinations and equipment. This balanced education should lead to demonstrable competence in the categories presented below. The percentages are intended to guide the program in planning a balanced clinical education; they are not intended to mandate the total distribution of the clinical assignments.*

A maximum of:	*25%*	*Chests*
	10%	*Special Procedures (includes CT scanning, ultrasound, neuroradiography, and cardiovascular radiography)*
An approximate minimum of:	*10%*	*Head and spine*
	10%	*Extremities and other orthopedic procedures; thorax other than routine chests*
	15%	*Abdominal, including GI, biliary, and renal*
	10%	*Mammography, pelvimetry, and mobile unit experience in all categories*

The remaining 20% may be distributed in any of the "approximate minimum" categories. The percentages above are based on 4,000 examinations, of the variety indicated, being available to each student over the 24-month period of education. Competence in the above examinations should be required of all students without discrimination.

- *Integration of the planning and structure of clinical education with the didactic portion of the program. Dual programs under different sponsorship should not co-exist for more than one calendar year in the same clinical facility because of the resulting complications in planning, organizing, and evaluating the clinical education.*
- *Student demonstration to a qualified supervisor of the mastery of the theory and practice of essential clinical skills under simulated conditions prior to assuming actual clinical responsibilities.*
- *An educationally valid plan for clinical assignments, especially for shifts other than normal day-time working hours. Shifts with limited or repetitious educational experiences may be viewed as exploitation. Scheduling that conflicts with regularly scheduled classes, that requires averaging of variable hour weeks, or that involves the students for more than 40 educational hours per week should not be allowed.*
- *A standardized system to evaluate and document the student's clinical progress in order to provide developmental assistance to correct weaknesses. Although students must not assume patient care responsibilities in lieu of regular employees, students should demonstrate to qualified supervisors their competence in carrying out appropriate assignments.*
- *Accessibility of clinical education facilities. Frequent or irregular external rotation of students should not be allowed because it interferes with student evaluation and progression through the educational program.*

B. Where appropriate, a minor affiliation shall be established as an adjunct to strengthen and broaden the clinical portion of the program. The total clinical education provided by an individual minor affiliate may not exceed eight weeks, and the clinical education in all minor affiliates may account for no more than 20% (to a maximum of ten weeks per year) of the students' clinical education.

A minor affiliation is appropriate if the recognized clinical education center cannot expose the student to all of the radiography modalities in sufficient quantities to ensure demonstrable competence.

C. An acceptable ratio of students to registered technologists shall be maintained in the clinical teaching environment.

Supervision

Students must have adequate and proper supervision during all clinical assignments, which would include direct supervision in the first fifty percent of their clinical education. The following conditions constitute direct supervision:

- *A qualified registered radiographer reviews the request for the radiographic examination (a) to determine the capability of the student to perform the examination with reasonable success; or (b) to determine if the condition of the patient contraindicates performance of the examination by the student.*
- *If either of the above determinations is questionable or negative, the radiographer should be present in the radiographic room.*
- *The qualified registered radiographer checks and approves the radiographs prior to the dismissal of the patient. Medical judgment may supercede this provision.*

Students in the second fifty percent of their clinical education should be under the supervision of a registered radiographer on the premises in the vicinity of the radiographic area and available for immediate assistance to the students.

Repeat radiographic examinations are performed while the registered radiographer is present and with the student.

D. A clinical instructor(s), who shall be responsible for supervising students according to objectives, shall be identified for each primary clinical education center.

Number of Clinical Instructors

Each primary education center must have at least one (1) clinical instructor responsible for evaluating the clinical competencies of individuals and for maintaining appropriate records verifying that these competencies have been demonstrated. All clinical instructors should have job descriptions containing specifically designated responsibilities to the educational program. The adequacy of the number of clinical instructors is evaluated by ascertaining that there is one full-time equivalent clinical instructor for every 10 students on site in a facility. Quantitative adequacy might also be indicated by a system which consistently provides for correlating the students' experience with objectives, for evaluating competencies related to those objectives, and for working with students on problem areas or weaknesses.*

Qualifications of Clinical Instructors

Supervising radiographers should be registered by the American Registry of Radiologic Technologists in diagnostic radiographic technology or have other suitable qualifications. Additional qualifications may be defined by the educational program and/or the clinical education centers.

Clinical instructors seeking appointment or retention should be evaluated by the following:

- *The profession's recommendations for education and experience*
- *Institutional practices and policies for faculty appointment*
- *Educational and professional performance as determined by the institution's regular program of faculty and staff evaluation*
- *The ability to evaluate proficiencies in a way that helps improve the students*
- *The ability to preserve educational cohesiveness without compromising the patient-care responsibilities of the radiology department*

**An exception may be granted if the clinical education center provides a sufficient number and variety of radiographic examinations to allow attainment of the objectives by each student, accompanied by a valid and reliable program of en-route evaludtion to guide in planning clinical education, ascertaining necessary remediation, and recording progress.*

Clinical Education Records

The clinical instructor should maintain records of evaluations of student performance. In the temporary absence of a clinical instructor, the supervising radiographer should maintain evaluation records. The supervising radiographer should be identified on all student clinical education records.

E. The maximum student enrollment shall not exceed the capacity recommended by the Joint Review Committee on Education in Radiologic Technology and authorized by CAHEA on the basis of volume and variety of radiographic procedures, resources and personnel available for teaching purposes.

The number of first-year students admitted to the program should be based on the following:

Facilities

One student for each radiographic facility (including special procedures and the total of all mobile units) utilized 80% or more.

One student for each fully-utilized computed tomography facility. The total of all computed tomography facilities may account for no more than one student.

One-half student for each ultrasound facility utilized 80% or more. The total of all ultrasound facilities may account for no more than one student.

Non-radiographic (e.g., darkroom, record storage, and film filing) facilities may not be considered when computing student capacity.

Examinations

4,000 radiographic examinations per available student during the 24 months of a variety to allow demonstrated competency in essential procedures (see Guidelines to Essential III A*).*

Radiographers

One student per radiographer.

Administrative or supervisory radiographers, radiation therapy and nuclear medicine technologists, and less than full-time-equivalent radiographers should not be included in determining capacity. The total of students on-site in a facility at any one time should govern determination of the total capacity.

Programs should justify their enrollment according to the guidelines above. Enrollments exceeding the approved capacity, usually based on the lowest figure allowed by the guideline, may jeopardize the accreditation of the program.

F. In programs where didactic and clinical experience are not provided in the same institution, accreditation shall be given only to the institution responsible for admissions, curriculum and academic credit. The accredited institution shall be responsible for coordinating the program and assuring that the activities assigned to the students in the clinical setting are educational. The institution utilized for major clinical education shall be recognized by the Joint Review Committee. The Joint Review Committee will pass judgement on the institutions utilized for a major clinical education center and recommend to CAHEA whether or not they be recognized. There shall be a uniform contract between the accredited institution and each of its affiliate hospitals, clearly defining the responsibilities and obligations of each.

In order to be recognized as a clinical education center, an institution should be in substantial compliance with the following criteria:

- *Utilization of this health care facility in the program is consistent with the primary mission of the program;*
- *Health care facility staff participate in determining the goals and objectives of the courses in the program*
- *A complete orientation to the program is provided for clinical staff, student supervisors and radiologists*
- *The personnel of this facility participate in evaluating the effectiveness of the program and contribute to the education of the students*
- *The institution performs quality audits of the radiography program and implements indicated improvements*
- *Provisions for student supervision and other clinical education functions meet* Essential III Clinical Education *and the explanatory Guidelines*

The written "uniform contract," signed by the appropriate officers, should include a clear delineation of responsibilities with regard to student supervision, safety, and benefits and to financial arrangements. Each institution directly concerned with the program should maintain copies of the "uniform contract."

IV. CURRICULUM

Each program should establish and publish, in a master plan of education, formal goals consistent with the Essentials, *to guide the development of curriculum and educational activities. These goals should be clearly and accurately represented to the interested students and should be consistent with professional expectations for careers in radiography.*

The curriculum should be contained in the program's master plan for education, which should be kept on file. The curriculum should be based on clearly stated objectives that fulfill professional requirements and include cognitive, affective, and psychomotor capabilities. The objectives should guide the development and use of effective teaching strategies that take into consideration the patterns of radiography health care delivery and make optimum use of clinical education opportunities.

A. The structure of the curriculum shall be based on not less than two calendar years of full-time study.

Policies governing holidays, sick leave, vacations, and other admissable absences should be developed according to sound educational principles and should be made available to all students, faculty, and cooperating clinical and academic staff. Two weeks vacation and 5 to 10 sick leave days per year are usually considered acceptable within the required two calendar years of full-time study.

B. The maximum hours of clinical and academic involvement shall not exceed a total of 40 hours per week. Students shall not be exploited.

The 40-hour week should not be based on clinical hours that replace regularly scheduled class hours or on averaging of variable hour weeks. Students should not replace paid personnel during any portion of the clinical education phase.

C. Instruction shall follow a planned outline that includes:

1. The assignment of appropriate instructional materials;
2. Classroom presentations, discussions and demonstrations; and
3. Examinations in the didactic and clinical aspects of the program.

The evaluation systems should be related to the objectives and employed frequently enough to provide en-route as well as terminal evaluations and to serve as a reliable indicator of the effectiveness of instruction and course design. The criteria for successful performance should be equitably applied without discrimination, and provision should be made for dematriculating students who do not make satisfactory progress according to these criteria.

D. All professional courses, including clinical education, must include specific curriculum content acceptable to the Joint Review Committee on Education in Radiologic Technology. Courses will include, but shall not be limited to:

1. Introduction to radiologic technology
2. Medical ethics

3. Imaging
4. Radiographic processing technique
5. Human structure and function
6. Medical terminology
7. Principles of radiographic exposure
8. Radiographic procedures
9. Principles of radiation protection
10. Radiographic film evaluation
11. Methods of patient care
12. Pathology
13. Radiologic physics
14. Radiation biology

Related subjects added to the professional curriculum shall meet the requirements of the degree-granting institution.

"Related subjects" should be selected from courses or course components in health care, general science, and the liberal arts that meet established program objectives and goals and that enhance the professional ability of the radiographer. The program should provide the student with a description of all courses at the beginning of the program and should fulfill the curriculum as specified. Plans for significant curriculum changes should be discussed with the Joint Review Committee.

Programs are encouraged to establish systems for internal and external curriculum validation, such as evaluations by current students and advisory groups and follow-up studies of alumni, in order to implement appropriate curriculum revision.

V. FINANCES

A. Financial resources for operation of the educational program shall be assured through regular budgets, gifts, grants, endowments or fees.

Budget planning should be the responsibility of the program director, in cooperation with the medical advisor, appropriate faculty, and administrative officers. Adequate identifiable financial resources should be allocated to ensure a sound educational program, including, among other things, the following:

- *Salaries of administrative, supportive, and institutional personnel (Salaries of faculty may be considered confidential and do not have to be itemized in budget information presented in the self-study report.)*
- *Staff to coordinate clinical instruction*
- *Support for continued education for instructional staff*
- *Educational supplies, office supplies, and equipment*
- *Student activities*

The budget should reflect sound educational priorities; allocations to improve the educational process should take precedence over provisions for stipends, free meals, laundry service, student benefits, etc.

B. The institution shall not charge excessive student fees.

Tuition and fees should be consistent with institutional policy; if credit hours are the basis for tuition, the number of credits required in the program should be consistent with the degree granted. Tuition and fees may contribute significantly to the support of the program, but they should not be used to generate income necessary to operate the entire program.

Student loan programs, including loan forgiveness or contracts, should be clearly explained in program publications.

CAHEA expects programs and sponsoring institutions to comply with the following financial standards, excerpted from "Fair Practices in Education" (January 6, 1979):

- *Costs to students must be reasonable and must be accurately stated and published.*
- *Policies and processes for student withdrawal and tuition refund must be fair, published, and made known to all applicants. The program must not use high pressure techniques with students in recruiting, registering, or contracting. Unexpended tuition or fees to which the student is entitled must be refunded.*
- *Financial arrangements must be fair to the students and to the school. Students must not be encouraged to arrange loans with excessive interest rates or to take out loans which lead to indebtedness that is excessive in relation to the potential earnings of a program graduate.*
- *The program must not assign excessive credit hours to coursework to obtain unjustified tuition income.*

C. Advertising must be appropriate to an educational institution.

CAHEA expects programs and sponsoring institutions to comply with the following standards in education with regard to announcements and recruitment practices, excerpted from "Fair Practices in Education" (January 6, 1979):

- *Announcements and advertising must accurately reflect the program offered; they must not misrepresent or mislead.*
- *Student recruitment practices must permit students to exercise free choice of programs.*
- *Student . . . recruitment practices must not be misrepresentative. Overstatement of financial rewards must be avoided in order to prevent unrealistic income expectations on the part of graduates.*

Grossly inaccurate or inappropriate advertising may result in a negative accreditation decision.

D. The program shall not substitute students for paid personnel to conduct the functions of the clinical facility.

Programs should be able to demonstrate that they are not dependent on students to carry out the normal workload of the department.

VI. FACULTY

A. Program Director

A full-time program director shall be designated who is certified in radiography by the American Registry of Radiologic Technologists or possesses suitable equivalent qualifications. The director shall devote full time to the radiology department of the sponsoring institution with primary responsibility for the educational program in radiography.

The program director's responsibilities in teaching in and administration and coordination of the educational program in radiography shall not be adversely affected by educationally unrelated functions.

1. Minimum qualifications
   a. A baccalaureate degree with a minimum of two years of post-certification professional experience and proficiency in instructing, curriculum design, program planning and counseling; or
   b. An associate degree with a minimum of four years of post-certification professional experience and proficiency in instructing, curriculum design, program planning and counseling, and pursuing courses pertinent to the profession; or
   c. A minimum of five years of post-certification professional experience and proficiency in instructing, curriculum design, program planning and counseling, and pursuing courses pertinent to the profession.
2. Responsibilities
   a. The program director, in consultation with the medical director/advisor *(VI.B.)* shall be responsible for the organization, administration, periodic review, records, continued develop-

ment and general policy and effectiveness of the program.

b. The program director shall conduct general faculty meetings on a regular basis.

c. Opportunities for continuing education shall be provided for all faculty members.

B. Medical Director/Medical Advisor

1. Minimum qualifications

The medical director/medical advisor shall be a qualified radiologist, certified by the American Board of Radiology, or shall possess suitable equivalent qualifications.

2. Responsibilities

The medical director/medical advisor shall work in consultation with the program director in developing the goals and objectives of the program and implementing the standards for their achievement.

The medical director/medical advisor should participate in goal determination, curriculum development, and instruction.

C. Change of Director or Advisor

If the program director or the radiologist associated with a program is changed, immediate notification shall be sent to the Department of Allied Health Evaluation of the American Medical Association and to the Joint Review Committee on Education in Radiologic Technology. The curriculum vitae of the new director or radiologist, giving the details of education and professional experience, must be submitted. If the credentials are in order, accreditation of the program will be continued until a resurvey (on-site evaluation) is conducted.

The credentials of the proposed director or radiologist must meet the qualifications in Essentials VI A *and* B. *If either position cannot be filled within 30 days, the program should send the Joint Review Committee a description of the actions taken to maintain the continuity and effectiveness of the program.*

D. Instructors

All instructors shall be qualified through academic preparation and experience to teach the assigned subjects.

Instructor Qualifications

Program sponsors should establish policies governing academic preparation and experience required to fulfill instructional responsibilities. All faculty, regardless of the extent of their participation, should be familiar with the goals of the program and should be able to demonstrate the ability to develop an organized plan of instruction and evaluation. All personnel related to the educational program should be able to demonstrate their contributions to the education of the students. Instructors should meet the standards for academic preparation of the employing institutions. Programs should also consider the "Minimum Qualifications for Instructors in Radiography," approved by the Officers and Board of the ASRT in January 1977 and endorsed by the Joint Review Committee in February 1977 (see Section VI, Guide to the Organization and Accreditation of Radiography Programs, JRCERT, 1979). Important criteria that should be considered include (a) knowledge of subject matter; (b) ability to organize and present the subject; (c) a positive attitude toward teaching; and (d) participation in continuing education designed to improve instructional skills and maintain professional competence.

Instructional Loads

Program sponsors should establish policies regulating instructional loads in order to provide for administrative and organizational responsibilities; preparation and delivery of instructional sessions; preparation and delivery of evaluations; counseling; and research. A position as clinical instructor should be provided for each 10 students on site; the individual in this position should be responsible for supervising students in the clinical education center; other responsibilities should not adversely affect this function. Adequate clerical help should be available to relieve faculty of tasks that interfere with fulfilling their responsibilities to the educational program, which include participation in developing goals and objectives, the curriculum, and evaluation systems and criteria.

Instructional Development

The CAHEA policy "Instructor Preparation for Allied Health Professionals" (April 1979) requires that persons in responsible teaching positions have adequate and appropriate education in the areas of curriculum design and instructional techniques. The program should provide for the continued development of instructors, and should include requirements for demonstrating and maintaining technical-professional competency as well as teaching proficiency.

Instructor Evaluation

The CAHEA policy "Instructor Preparation for Allied Health Professionals" requires evaluation of persons in teaching positions. The programs should establish a method for evaluating the means by which instructional expertise is assessed and the means available to the faculty to augment that expertise. A broad range of external indicators based on program outcomes—meeting institutional and program goals, preparing competent radiographers, maintaining professional and teaching competence, etc.—is a desirable component of faculty as well as of curriculum evaluation.

E. Advisory Committee

A representative advisory committee for programs shall be appointed to assist the director in the evaluation and coordination of the program.

Composition

The advisory committee should be representative of the groups involved in or affected by the educational program. The committee should therefore include administrative and professional personnel from the sponsoring and from affiliate institutions (i.e., the program director and the medical advisor, radiologists, staff technologists, administrators, faculty members); students (on invitation if not on a regular basis); and representatives from the "community of interest" (medicine, radiography, health care education, consumers, etc.) who might employ, supervise, or receive services from graduates of the program. A procedure for electing a chairperson should be established. Program faculty should be ex-officio members of the advisory committee.

Functions

The advisory committee should hold regularly scheduled meetings; the agenda should be distributed in advance, and minutes should be recorded and filed. Initially, the advisory committee should play a key role in developing the curriculum, recruiting students, and formulating policies (admissions criteria, performance evaluations, etc.). After the program has been established, the committee should periodically review the curriculum to ensure that it reflects new techniques and procedures; assist in exit and post-graduate evaluations of student capabilities; serve in a public relations capacity within the medical and allied health communities; and assist in placing graduates. The program should provide for channels of communication between the advisory committee and the individuals in a position to make program decisions and should ensure that the program will be responsive to reasonable recommendations from the advisory committee.

VII. STUDENTS

A. Admission

1. Candidates for admission should satisfy one of the following minimum requirements:

a. Completion of four years of high school; successful completion of a standard equivalency test; or certification of equivalent education by an organization recognized by the United States Office of Education. Courses in physics, chemistry, biology, algebra and geometry are strongly recommended.

b. Successful completion of a college entrance examination for admission to an accredited college or university.

The program sponsor, in consultation with representatives from clinical education centers, is responsible for developing and distributing valid, objective, admissions criteria to complement the above minimum requirements. Objective tests used in the admission process should be recognized measures of achievement or potential.

2. Selection of students shall be made by an admissions committee in cooperation with those responsible for the educational program and should be made without discrimination with regard to age, sex, race, creed, handicap(s), or national origin.

Non-discrimination

The CAHEA policy "Fair Practices in Education" emphasizes the requirement that student selection "shall be nondiscriminatory with respect to race, color, creed, sex, age, handicap(s), or national origin." Admissions criteria covering the selection of students should be periodically reviewed and validated based on student outcomes reflected in evaluations of current students and follow-up studies of graduates. These criteria should include a clear statement of the academic and technical standards requisite to admission to or participation in the program.

Open Admissions

Programs electing to accommodate open admission philosophies should establish clear policies defining the criteria for admission to the program. If pre-professional periods of study are involved, the policies should guarantee suitable clinical education opportunities for all students successfully completing the pre-professional period.

Interviews

Interviews and/or observation of pre-admission orientation activities may serve as one of the criteria for student selection.

3. The number of students enrolled in each class shall be commensurate with the most effective learning and teaching practices and should also be consistent with acceptable student-teacher ratios. At no time shall the number of students exceed the total number for which the program is authorized, nor may the number of students concurrently assigned to a clinical affiliate exceed the number for which the affiliate is authorized.

The program sponsor should have written policies governing class size, laboratory group size, and instructor-student ratios in clinical education settings. These policies should be based upon sound educational practice and may not exceed the capacity recommended by the Joint Review Committee and authorized by CAHEA. Student enrollment policies should be validated.

B. **Health**

1. Applicants shall be required to submit evidence of good health and required immunization. The institution should provide the student the same health services as are available to students of other programs.

The program's definition of "good health" should be reflected in its statement of the technical standards requisite to admission or participation in the program and should be consistent with the expectations and requirements for health care workers. Students should be provided with access to health care available to other students in the institution. In addition, students should be provided with guidance on reporting illnesses, communicable diseases, pregnancies, and other conditions that might affect the health of the student, patients, or staff.

All student health reports should be kept on file.

2. Radiation protection for all students in academic and clinical environments shall meet all prevailing state and/or federal radiation safety regulations.

Students must be instructed in the radiation monitoring system that meets the prevailing regulations. Programs should develop a system to demonstrate that students are given instruction in radiation protection appropriate to the performance expected of them and that the students do indeed apply that instruction.

C. **Counseling**

1. Student guidance shall be available.

Program sponsors should develop a student guidance procedure that includes documentation of regular and timely evaluation sessions, by qualified faculty, covering strengths, weaknesses, and progress in the program. Evidence should also be available that students are informed of due process with regard to unfavorable evaluations, disciplinary actions, suspensions, and dismissals.

2. Student placement service shall be available if advertised.

Follow-up studies of the placement of graduates may be used to document the effectiveness of the placement service.

VIII. RECORDS

Records shall be maintained for all didactic and related courses attempted and/or completed by all students. Monthly and annual reports of departmental examinations should be prepared and available for review.

The master plan for education should include a system for maintaining records in order to document achievement of program goals and objectives; to indicate compliance with accrediting and program policies; and to provide a data base for program self-evaluation. Provisions for availability and security of records should comply with the "Federal Family Educational Rights and Privacy Act of 1974" (Buckley Amendment). The system should be sufficiently detailed to provide for the continuity, delivery, and evaluation of the program in the event of staff changes.

A. **Students**

1. All transcripts and associated records must be available to students.
2. A report of pre-entrance evidence of good health and immunization shall be retained.
3. Radiation monitoring records shall be maintained, as required by state and/or federal radiation safety regulations.
4. Transcripts of didactic, laboratory and clinical achievement shall be retained permanently.
5. Records of attendance, clinical rotation and grades for all courses shall be maintained.
6. The clinical records shall include documented evidence of student competency utilizing methodology acceptable to the Joint Review Committee on Education in Radiologic Technology.

Clinical records should provide baseline data for a competency-based clinical education evaluation system. They should therefore identify the required competency, the experiences undertaken to achieve the competency, evaluations by qualified personnel of the achievement of the competency, and progression of the students in achieving proficiency.

B. **Curriculum**

A master copy of the complete curriculum, course outlines, course descriptions and teaching plans shall be maintained.

C. **Published Program Description**

A current description of the curriculum shall be available. It shall include information regarding the organization of the program; a brief description of the required courses; names and professional and academic rank of faculty; entrance requirements; tuition and fees; refund policy; and information concerning hospital facilities used for directed experience.

The CAHEA policy "Fair Practices in Education" requires that "announcements and advertising must accurately reflect the program offered; they must not misrepresent or mislead." The program should publish the information required by Essential VIII.C. This publication should be available to all persons involved with the program and to all students who demonstrate intent to apply for admission to the program. In addition, this publication should indicate the availability of the following items or information:

- *Certification information*
- *Vacation, sick-leave and compensatory-time policies*
- *Standards of conduct and performance*
- *Disciplinary policies and procedures*
- *Essentials of an Accredited Educational Program for the Radiographer*

ADMINISTRATION OF ACCREDITATION

A. ACCREDITATION

1. **Application**
   a. The evaluation and accreditation of a program is a voluntary process and can be initiated only at the written request of the chief executive officer of the sponsoring institution or an officially designated representative.
   b. Application forms may be obtained from:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action.

2. **Resurvey**
   a. Periodic resurvey will be scheduled by the Joint Review Committee on Education in Radiologic Technology in cooperation with the Committee on Allied Health Education and Accreditation (CAHEA). The administrator of the institution being evaluated shall have the opportunity to become acquainted with the factual part of the report prepared by the survey team and to comment on its accuracy before recommendations for final action are submitted to CAHEA.
   b. Adverse accreditation decisions (accreditation withheld or withdrawn) may be appealed by letter to CAHEA.

      Probationary accreditation is not an "adverse accreditation" decision. Objections to such a decision should be addressed to the Joint Review Committee on Education in Radiologic Technology.
   c. The chief executive officer of the sponsoring institution may request that a return on-site evaluation be made in the event of significant deficiencies in the performance of an earlier evaluation team.

3. **Withdrawal**

   The Committee on Allied Health Education and Accreditation may withdraw accreditation whenever
   a. The educational program is not maintained in substantial compliance with the standards outlined in this document.
   b. There are no students enrolled in the program for one year or more. Accreditation is revoked only after advance notice has been given to the administrator of the institution that such action is contemplated and the reasons therefore. Sufficient time shall be allowed for response and the use of established procedures for appeal and review.

B. REPORTS

The Annual Report form provided by CAHEA shall be completed, signed by the appropriate official(s), and returned by the established deadline.

C. INQUIRIES

1. **Program Evaluation**

   For information on the self-analysis and site visit required for initial review, contact:

Joint Review Committee on Education in Radiologic Technology
307 N Michigan Ave
Suite 1801
Chicago, IL 60601

2. **Careers and Curriculum**

   Inquiries regarding careers and curriculum should be addressed to:

American Society of Radiologic Technologists
55 E Jackson
Suite 1820
Chicago, IL 60604

3. **Registration/Certification**

   Inquiries regarding AART certification of qualified graduates of CAHEA accredited programs should be addressed to:

American Registry of Radiologic Technologists
2600 Wayzata Blvd
Minneapolis, MN 55405

SUPPLEMENTAL INFORMATION ON THE ADMINISTRATION OF ACCREDITATION

Application

Two copies of the completed CAHEA application form, signed by the chief administrator of the sponsoring institution and by the director of the educational program, as well as requested supplementary material, should be returned directly to the Department of Allied Health Evaluation. A copy of all application materials is forwarded to the Joint Review Committee on Education in Radiologic Technology, which will initiate the review process by forwarding application materials to the program. New programs seeking initial accreditation by CAHEA are requested to return the Joint Review Committee materials no later than nine months (and preferably 12 months) prior to the anticipated date for admitting the first class of students.

Self-Evaluation

After a program has submitted an application requesting consideration for CAHEA accreditation, the Joint Review Committee assists the program in preparing a qualitative documented self-evaluation (based on the *Essentials* and

Guidelines), which includes identification of strengths and weaknesses and areas of concern. The Joint Review Committee appraises the self-evaluation and then arranges for a site visit by a qualified team. The site visit report submitted by the team and additional relevant materials are reviewed by the Joint Review Committee, which then makes an appropriate accreditation recommendation to CAHEA.

Review Committee

The Joint Review Committee on Education in Radiologic Technology, which includes three members appointed by the American College of Radiology and three members by the American Society of Radiologic Technologists, administers the voluntary peer review accreditation process, including both the initial evaluation and periodic resurveys. Assisted by a staff, the Joint Review Committee also plays a major role in developing and revising *Essentials* and in providing consultation and guidance to educational programs.

Initial Accreditation

The Joint Review Committee forwards recommendations on programs electing to complete the initial accreditation process to CAHEA. CAHEA grants accreditation to those programs in substantial compliance with the *Essentials*. The appropriate officials of the institution sponsoring the program are informed by letter of CAHEA's accreditation decision.

Due Process

The appeals procedure is conducted according to due process.

Maintaining Accreditation

In addition to submitting an annual report, programs wishing to maintain accreditation will be periodically reviewed by the Joint Review Committee to determine whether or not they are remaining in substantial compliance with the *Essentials*.

American Society of Radiologic Technologists (ASRT)

In addition to making suggestions and recommendations regarding accreditation policies and procedures through the three members it appoints to the Joint Review Committee, the ASRT supplies the Joint Review Committee with a list of qualified radiographers who are available for site surveys. ASRT also contributes to the accreditation process by establishing and elevating educational standards through the various activities of its education committee, especially in the areas of curriculum development and instructor preparation.

Certification

Inquiries regarding certification by other than ARRT agencies should be addressed to the National Commission for Health Certifying Agencies, 1101 30th Street NW, Washington, DC 20007.

Essentials and Guidelines of an Accredited Educational Program for the Respiratory Therapist

Essentials initially adopted 1972; revised 1977
Adopted by the
AMERICAN ASSOCIATION FOR RESPIRATORY THERAPY
AMERICAN COLLEGE OF CHEST PHYSICIANS
AMERICAN MEDICAL ASSOCIATION
AMERICAN SOCIETY OF ANESTHESIOLOGISTS
AMERICAN THORACIC SOCIETY

Program Review Committee
JOINT REVIEW COMMITTEE FOR RESPIRATORY THERAPY EDUCATION

Essentials, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.

Guidelines, explanatory documents which clarify the *Essentials*, are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials*.

PREAMBLE

The *Essentials of an Accredited Educational Program for the Respiratory Therapist* are developed by the Joint Review Committee for Respiratory Therapy Education (JRCRTE) which is organized under the auspices of the Committee on Allied Health Education and Accreditation and is co-sponsored by: American Association for Respiratory Therapy (AART), American College of Chest Physicians (ACCP), American Society of Anesthesiologists (ASA), and American Thoracic Society (ATS). The JRCRTE consists of twelve members and a public representative. Six members are appointed by the AART and two each by the ACCP, ASA, and ATS.

The *Essentials* represent the minimum requirements for a CAHEA-accredited educational program and have been developed after extensive discussion with respiratory therapy educators, respiratory therapy practitioners and physicians. They have been endorsed by all sponsoring organizations and have been approved by the Council on Medical Education.

The Guidelines are designed to assist respiratory therapy programs in meeting and exceeding the *Essentials* and to assist in the development of sound learning environments.

It is not the intent or desire of the JRCRTE to influence educational philosophy or to impinge upon the autonomy of the educational institution or the academic freedom of the faculty.

OBJECTIVE

The education and health professions cooperate to establish and maintain standards of appropriate quality for educational programs in the field of respiratory therapy and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*.

These standards are a guide for the development and self-evaluation of educational programs designed to prepare students for entry level positions as respiratory therapists. On-site evaluations are conducted by the Joint Review Committee for Respiratory Therapy Education on behalf of the Committee on Allied Health Education and Accreditation to verify compliance with these requirements, and lists of accredited programs are published for the information of employers and the public.

DESCRIPTION OF THE OCCUPATION

This description was developed by the AART and has been approved by the Board of Directors of that organization. The JRCRTE is pleased to accept this description and has designed the *Essentials* to provide minimum standards for education to enable the graduates of accredited respiratory therapy programs to enter their chosen profession with the necessary skills and knowledge.

"The respiratory therapist specializes in the application of scientific knowledge and theory to practical, clinical problems of respiratory care. Knowledge and skills for performing these functions are usually achieved through two or more years of academic and clinical preparation. The respiratory therapist is qualified to assume primary clinical responsibility for all respiratory care modalities, including responsibilities involved in supervision of respiratory technician functions.

"The therapist may be required to exercise considerable independent, clinical judgment in the respiratory care of patients under the direct or indirect supervision of a physician. Further, the therapist is capable of serving as a technical resource person to the physician with regard to current practices in respiratory care, and to the hospital staff as to effective and safe methods for administering respiratory therapy.

"The therapist's scope of patient care includes but is not limited to: intermittent positive pressure breathing (IPPB), humidity/aerosol therapy, medical gas administration, broncho-pulmonary drainage, continuous ventilation, airway management, emergency care, pulmonary function testing, cardiorespiratory rehabilitation, infection control, and cardiorespiratory drug administration."

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Site of Educational Programs:

A. Public or private postsecondary vocational and/or technical schools and institutions, community or junior colleges or universities all of which must be accredited by agencies recognized by the Commissioner of Education of the United States Office of Education or the Council on Postsecondary Accreditation, and which have affiliations for the clinical phase of their program with hospitals currently licensed to operate as required by their appropriate governmental jurisdiction and eligible for, or meeting standards established by a recognized voluntary accrediting agency provided they meet or exceed "Standards for Respiratory Care Services" of the Joint Commission on Accreditation of Hospitals (JCAH).

The intent of this Essential *is to require that the organization totally responsible and accountable for the education for respiratory therapists be a properly accredited institution for postsecondary education. This sponsoring educational institution is responsible for the granting of the appropriate degree and a certificate of completion. No hospital or other health care facility alone can be accredited as a sponsor of a training program for respiratory therapists.*

The educational institution is expected to assure and maintain adequate control and supervision over the quality of the curriculum, course content, instruction, budget, faculty and student selection and all other requirements set forth in these Essentials.

The hospitals or other health care facilities affiliated with a sponsoring organization to provide the site for the required clinical instruction and experience must be accredited by the JCAH or must meet the "Standards for Respiratory Care Services" set forth by the JCAH.

The relationship of the clinical facility and the sponsoring educational organization must be formal and include a contractual agreement. In addition there must be a thorough understanding and a willing cooperation between the personnel of these organizations. Cooperative exchange of ideas between educational and clinical specialists is critical to the successful education of respiratory therapists.

II. CLINICAL FACILITIES

There are two types of clinical affiliations:

A. A primary affiliation shall meet the following criteria:

1. The hospital(s) shall comply with the standards for respiratory therapy of JCAH.

Primary affiliates are those which provide a comprehensive variety of clinical procedures and services commensurate with the types and level of practice throughout the nation. Such affiliates shall conform to all current JCAH standards for respiratory therapy and provide both basic respiratory therapy as well as mechanical ventilatory support on an active 24-hour a day basis. Ideally, primary affiliates should provide adequate pulmonary function experiences and such other diagnostic and therapeutic services which are in conformance with modern respiratory care.

2. The hospital(s) shall provide 24 hour in-house respiratory therapy coverage, by respiratory therapists and/or technicians.

The purpose of the primary affiliate hospital is to provide a broad spectrum of respiratory therapy services so that the students may observe a model, full coverage department in operation, and avail themselves of the learning opportunities provided by such a department. For this reason, the primary affiliate hospitals must have a sufficiently large, permanently employed, adequately trained respiratory therapy staff to provide suitable coverage at all times. "On-call" or student coverage is not acceptable.

3. The procedures performed by the respiratory therapy department shall be adequate in number for the number of students enrolled and shall be representative of practice throughout the nation.

The number and variety of services provided by primary affiliates shall be sufficient to provide all students accepted within that institution with adequate and meaningful exposure and experience. The procedures performed by each primary affiliate must be consistent, in technique and quality, with the nationally accepted level of practice. When procedures are varied and representative of current practice, the total number of procedures performed by the respiratory therapy department should exceed 1,000 procedures per student per year. This recommended figure of 1,000 procedures per student is based on the variety of procedures and should not be based on excessive utilization of a limited number of procedures such as nasal oxygen or IPPB administration. Hospitals which limit their admission on the basis of age or type of disease are not usually suitable for primary affiliation.

B. A secondary affiliation shall meet the following criteria:

1. The facility shall be used only for specialized learning experiences.

The purpose of secondary affiliate hospitals is to provide special training for students in certain areas of respiratory care. This type of affiliation is particularly suitable to provide experience in pulmonary function testing, cardiac diagnostic studies, operating room experience, trauma management, neonatal care, pulmonary rehabilitation, chest physiotherapy, etc.

Secondary affiliates need not have 24-hour, in-house coverage and the range of therapy provided may be limited to specific procedures or special equipment.

2. These specialized areas must be under active and competent medical direction.

The specialized areas to which students are assigned must be under competent medical and technical direction and a qualified staff must be available for adequate instruction and supervision.

3. There shall be an up-to-date policy and procedure manual for the laboratory or service to which students are assigned at the secondary affiliate.

Each specialized laboratory or service to which students are assigned shall have current and complete manuals defining departmental policies and describing each procedure performed within those laboratories or services. Such policy and procedure manuals should be available to each student assigned to these areas.

C. In addition, both types of affiliates shall:

1. Be located so as to permit consistent integration within the education process.

All affiliated health care facilities must be located within reasonable distance of the sponsoring educational institution. This will provide ready access for students, faculty, and administrators, without requiring extensive and unreasonable expenditures in time and money for travel.

2. Permit the program director, medical director, and director of clinical education access to all areas to which students are assigned.

All affiliated hospitals must extend to the medical director, program director, and director of clinical education the courtesy of free access to the areas which are being used to provide *students with clinical experience. The hospital must provide the opportunity for the program faculty to inspect the facilities and to have discussions and conferences with the hospital personnel involved in student teaching, and the faculty must have the opportunity to observe the students during any and all phases of clinical practice. Such access is necessary in order to permit program faculty the opportunity to participate adequately in instruction and evaluation.*

3. Cooperate fully with the program director, medical director, and director of clinical education to assure that activities assigned to students in the clinical setting are, in fact, educational.

This paragraph is related to the profound concern of the JRCRTE that the clinical facilities do not exploit students assigned there for clinical education. Under no circumstances may students be used to replace or supplement hospital employees in the provision of patient care. No clinical facility will be considered acceptable unless it is staffed adequately to provide all required services without assistance from the students.

While students are expected to work with patients, this work must be a structured learning experience and not a routine performance of patient care. During the later phases of their clinical experience students will be expected to perform certain tasks without direct supervision. These tasks must still have educational value and cannot be considered as relief for regularly employed hospital personnel.

4. Have a signed, written agreement with the educational institution with which they are affiliated.

No program affiliation will be acceptable unless there is a contract between the educational institution and the clinical affiliate which conforms in all particulars to the standard forms as outlined in "Form and Function of Written Agreements in the Clinical Education of Health Professionals" by Moore, Porter and Nouse, Charles B. Slack, Inc., Thorofare, New Jersey, 1972. The contract must be signed by responsible administrative officers of both institutions and must be available for inspection by the JRCRTE. Such a contract is necessary to define and protect the rights, obligations, and liabilities of students as well as of the contracting parties.

5. Maintain modern equipment and supplies in sufficient quantity and variety to provide adequate support for student participation in clinical therapy.

In this clinical profession it is necessary for students to be exposed to and experienced in the use of a wide variety of equipment. The intent is not to require respiratory care departments to provide equipment which would otherwise not be used, but rather to assure that students are exposed to as wide a representation of equipment encountered in respiratory care as is possible and practical. Each affiliate is expected to have a sufficient variety and quantity of modern equipment to provide optimal patient care. Departments unable to provide a comprehensive range and variety of services in respiratory therapy as a result of insufficient equipment or supplies may not be acceptable for affiliation.

III. PROGRAM FACILITIES

A. Adequate classrooms, ancillary student facilities, and administrative offices shall be provided at both the clinical affiliates and the educational institution. Secretarial and clerical support, office supplies, and equipment shall be sufficient in quantity and type to support program activities.

While good education is theoretically not dependent on environment, there is a relationship between a pleasant and suitable environment and the quality and effectiveness of the educational process. Both the students and faculty of a program must have adequate space and facilities provided to them by both the educational institution and the clinical facility which are conducive to pleasant and profitable teaching and learning. Classrooms must be of adequate size for the number of students in the program. The classrooms must be appropriately furnished well lighted, and ventilated. Appropriate heating and air conditioning must be provided where dictated by climatic variables. The students in the program must have suitable space for storage of their books and personal belongings and, in a clinical setting, lockers must be provided if special clothing or uniforms must be worn. Students should be permitted free access to all eating and recreational facilities provided to regular employees.

No program can function properly if it is not provided with appropriate secretarial support and adequate office supplies and equipment. The faculty must have the facilities to dictate and have dictations transcribed and duplicated in reasonable time.

B. Laboratory facilities shall be adequate to provide all students with experience in using a representative of each type of equipment they are likely to encounter in clinical practice.

This is an extremely important new concept in the Essentials. *It evolved from the realization that clinical experiences were not really meaningful unless the students were thoroughly familiar with the equipment they were using to provide patient care. In addition, clinical time is far too valuable to be spent in acquiring the ability to manipulate equipment mechanically. For this reason it is now required that in the pre-clinical phase of the curriculum a course be identified which gives the students the opportunity to learn the operation of all equipment they are likely to encounter in the clinical setting. This laboratory located in the sponsoring institution, or if absolutely necessary, in one of the primary affiliates, must be equipped with a source of compressed gas and suitable simulation and measuring equipment so that students may operate, observe, manipulate, dismantle, and reassemble equipment until they become fully capable of setting up, testing, operating, and trouble shooting all the numerous devices used in respiratory care prior to the use of such equipment in direct patient care. These laboratory facilities should be made available to students upon request and at times when such facilities are not ordinarily used for instruction.*

C. Libraries must be maintained and readily accessible to students in both the educational institution and the clinical facilities. These libraries must contain a sufficient number of relevant and current textbooks, monographs, periodicals, and other reference material, regarding respiratory therapy theory and practice, in order to provide students with learning opportunities without undue delay or expense.

Reference materials should include the latest editions of the standard textbooks in basic and clinical sciences and in respiratory care. Journals dealing with diseases of the cardiovascular and ventilatory systems should also be available. Students must have free access to all libraries (school, hospital, or department). Library hours should not be limited to weekdays or daylight hours. Students should be encouraged to establish select libraries of their own.

One of the libraries in the system should have a trained librarian in charge to assist students in securing material from other libraries and in the intelligent utilization of reference material.

D. Self-instructional materials and appropriate audiovisual equipment shall be available and used whenever appropriate.

The rapid expansion of educational technology and the increasing availability of excellent audiovisual teaching materials makes it essential that all programs make this form of instruction available to the students.

Self-instructional techniques may be used to supplement all and replace some formal classroom or laboratory teaching.

Where possible, self-instructional study centers should be established and available to all students. Said resources should be made available to the clinical affiliates for student instruction.

IV. FINANCES

A. Financial resources for continued operation of the educational program shall be assured through specific program budgetary appropriation both at the educational institution and at the clinical affiliates.

Financial support, based on specific program budgetary allocation, is necessary for the salaries of administrative, instructional and support personnel, and for instructional materials and office supplies. Program budget should also accommodate staff travel associated with clinical coordination and instruction, and program staff participation in continuing professional education, as well as student and alumni services.

B. The fees charged to students shall be reasonable. Where fees must defray the total costs of operation of the program, responsible accounting shall be provided to the accrediting agency on request.

Students should be expected to pay reasonable fees associated with the cost of their education. In those instances where charges assessed students must defray the total cost of their education, the accrediting agency reserves the right to request verification of such costs based on reasonable and accepted accounting procedures. It is understood that some programs must show a profit or cease operation.

C. No stipend, salary, or other hourly, weekly, or monthly payment shall be made to any student by the educational institution or any of its clinical affiliates for any course or clinical assignment for which academic credit is granted or which is a requirement for the completion of the program.

Academic institutions and clinical affiliates are encouraged to award scholarships, grants-in-aid, and loans to properly qualified students. However, stipends, salaries or other forms of financial remuneration paid to students based only on the completion of any academic or clinical course are inappropriate systems of reward within an academic environment. Such mechanisms of financial assistance frequently place quantitative rather than qualitative demands on students which detract from the quality and comprehensiveness of student training.

Educational programs based on cooperative education models are appropriate and acceptable provided that a) other programs within the sponsoring institution are based on similar cooperative education systems; b) clinical training periods are adequately supervised by program faculty; c) all affiliates providing cooperative educational clinical experience satisfy all the Essentials *for primary or secondary affiliations; and d) all current* Essentials *are met or exceeded during clinical cooperative education rotations.*

D. The program shall not substitute or permit to be substituted students for paid personnel to conduct the work of the clinical affiliates.

Patient care and/or other clinical responsibilities assigned to students should have as their primary objective appropriate exposure to procedures and development of clinical skills. Under no circumstances shall any students perform or be expected to perform any services which otherwise would not be performed in their absence by regular affiliate staff. Clinical phases of instruction must be totally educational in nature. The substitution of students for departmental staff in performing departmental work negates the educational value of the clinical affiliation periods and is alone sufficient cause for the withholding or withdrawal or accreditation.

V. FACULTY

A. The sponsoring institution shall appoint a full-time program director, a full-time director of clinical education, and a medical director. The program director shall have primary responsibility and accountability for the operation of the program.

The respiratory therapy program must be managed on a full-time basis. Programs supervised by part-time personnel in key positions cannot be expected to prepare students successfully for their professional roles. In order to assure a proper program as well as clinical instruction and supervision, each sponsoring institution must appoint a full-time program director and a full-time director of clinical education. It is imperative that these two full-time faculty members cooperate in ongoing program planning, evaluation, and supervision. These shall be two distinct individuals, and one faculty member shall not assume the total responsibilities of both positions. The program director shall have primary and final responsibility for the overall operation and quality of the program. The sponsoring institution shall also appoint a duly qualified physician to the position of medical director. Respiratory therapists are expected to function cooperatively with, and under the medical supervision of, a physician. It is important that a physician functioning as medical director participate in all phases of program operation. This active participation is required so that the adequacy of training providing comprehension and performance in clinical situations can be evaluated by a physician knowledgeable and experienced in clinical respiratory therapy.

B. **Program Director**

1. Qualifications
   a. The program director shall be a registered respiratory therapist with at least four years full-time experience in respiratory therapy of which two years shall be experience on the faculty of a respiratory therapy program accredited by the Committee on Allied Health Education and Accreditation. A baccalaureate or graduate degree in education shall be accepted in lieu of two years of experience on the faculty of a respiratory therapy program, or a duly qualified, licensed physician, specializing in respiratory care, whose primary professional commitment is to the program and who has a minimum of two years experience on the faculty of a school of medicine, osteopathy, or respiratory therapy.
   b. The program director shall be a member of the sponsoring educational institution's faculty with all the rights and privileges ordinarily granted to regular faculty members in that institution.

It is generally accepted that the key faculty in any type of professional program should possess the same or higher level of education and/or professional credential as that for which students in the program are being prepared. As members of a clinically oriented profession, key faculty should also be required to have reasonable experience and demonstrate professional competence. It is, in part, for these reasons that the program director shall be a duly registered therapist with at least four years' experience in professional practice following either the completion of the director's respiratory therapy education or satisfactory completion of the registry process when applicable. Frequently it has been shown that the appointment of program directors with no prior experience or training in the educational process proves less than successful in the development and operation of formal educational programs. In order to alleviate this potential problem and its adverse effects on students, program directors must have at least two years of the required four years professional experience on the faculty of a CAHEA-accredited program. Those with a baccalaureate or higher degree in education may apply that degree in lieu of prior experience in a CAHEA-accredited program.

"Full-time" is to be interpreted as no less than 21 hours per week in clinical practice or in an academic setting as defined by the educational institutions.

Under special circumstances a duly licensed physician whose principal medical practice is in respiratory therapy may assume the position of program director. As program director, however, the physician must commit the majority of time and professional effort to the supervision of the respiratory therapy program. While this does not prohibit the physician from continuing in medical practice, the physician will be expected to commit at least 80% of the normal work week to the respiratory therapy program. In those instances where a physician serves as program director, the program must still appoint a medical director to assist the program director. A physician as program director must also demonstrate prior educational experience of at least two years as the member of the faculty of a medical school, or school of osteopathy or as an active member of the faculty of a CAHEA-accredited respiratory therapy program.

2. Responsibilities
    a. In addition to other assigned responsibilities, the program director shall be responsible for the organization, administration, periodic review, continued development, and effectiveness of the educational program. In this activity, the program director shall cooperate and collaborate fully with the medical director and director of clinical education.

The program director must assume ultimate responsibility for both the didactic and clinical phase of the program. Although the director of clinical education should be delegated specific responsibilities, it is the program director's responsibility that all phases of the program are appropriate and successful in meeting program goals and objectives. The program director should actively seek out and require the cooperative involvement of the director of clinical education and the medical director.

b. In cooperation with the director of clinical education and medical director, the program director shall ensure that the nonclinical units of instruction are properly coordinated and that all students receive didactic and laboratory training and instruction which provides adequate background for entry into clinical work.

It is necessary that all nonclinical, required and elective courses adequately prepare students for the clinical periods of instruction. In this regard the program director, following appropriate review and evaluation, shall be responsible for determining that all students are properly prepared in both theory and laboratory practice for all phases of clinical practice to be encountered prior to their entry into the clinical area.

c. The program director shall be responsible for ensuring that appropriate evaluation instruments are developed and that appropriate academic records on all students in the program are maintained.

The program director, by definition, must supervise the development of an appropriate mechanism to evaluate the students and program. Such evaluation must be applied regularly and must encompass all phases of the program, both didactic and clinical. The mechanism of evaluation should itself be evaluated at appropriate intervals.

C. **Director of Clinical Education**

1. Qualifications
    a. The director of clinical education shall be a registered respiratory therapist with at least four years full-time experience in respiratory therapy of which at least two shall be experience on the faculty of a respiratory therapy program accredited by the Committee on Allied Health Education and Accreditation. A baccalaureate or graduate degree in education shall be accepted in lieu of two years of experience on the faculty of a respiratory therapy program.

The director of clinical education must assume major responsibility for the content and quality of the clinical phases of the program. Due to the importance of this key faculty member he or she must possess qualifications which are the same as those required of the program director.

b. The director of clinical education shall be a member of the sponsoring educational institution's faculty with the rights and privileges ordinarily granted to regular faculty members in that institution.

The director of clinical education is critical to proper program operation and as a consequence, he or she shall have all the rights, privileges, and obligations granted to any other regular faculty members, including voice and vote on all issues as is consistent with the policies of the sponsoring institution.

c. The director of clinical education shall have a respiratory staff appointment in all clinical affiliates. Where local hospital regulations or collective bargaining agreements do not permit a formal staff appointment, the clinical affiliate shall grant some form of courtesy appointment to the director of clinical education to enable him/her to observe, assist, and supervise the students during their clinical learning experience.

It is unreasonable to expect the director of clinical education to fulfill his/her responsibilities unless he/she has access to the appropriate clinical areas of all affiliated hospitals. The director of clinical education must have therapist staff privileges within the appropriate departments of all affiliates in order to perform the instructional and evaluative functions of this position.

2. Responsibilities
    a. In cooperation with the program director and the medical director, the director of clinical education shall ensure that instruction in the clinical affiliates is properly coordinated and that all students receive adequate medical and technical instruction, exposure and experience.

The director of clinical education shall have primary responsibility for the coordination of all clinical affiliates and for the content, quality, and evaluation of the clinical phases of the program. The director of clinical education must seek out and cooperate with each affiliate in order to guarantee that the clinical experience and instruction of students is meaningful and parallels in content and concept the material presented in didactic and laboratory sessions prior to the students' entry into the clinical setting. The director of clinical education shall develop rotation schedules that provide for equal and equable clinical exposure of all students regardless of the institutions through which they may rotate. He/she will need the help of the medical director in all medical aspects of his/her responsibility, and the help of the academic institution staff specialists in educational matters.

b. The director of clinical education shall supervise and coordinate the instructors in the clinical affiliates and shall periodically evaluate the quality, contribution, and appropriateness of all clinical faculty and others participating in clinical instruction.

The director of clinical education will also coordinate the instructional and supervisory responsibilities of all clinical instructors, and routinely evaluate in writing the effectiveness and appropriateness of clinical instructors and all others who may regularly participate in student clinical instruction. He/she will need the cooperation of the medical director in evaluating other physician instructors and providing medical input during clinical rotations.

c. The director of clinical education shall develop and maintain performance and proficiency records on all students during the clinical phase of their education.

The director of clinical education shall be responsible for the design and implementation of all appropriate clinical performance and proficiency records maintained individually on each student. Such records should identify student competency in specific areas of clinical practice, identify students' strengths and weaknesses and assist the director of clinical education and the clinical faculty in the development of special reinforcement or remedial sessions for students who may require them. It is recommended that the students maintain a log to indicate the procedures carried out and the clinical situations observed.

D. **Medical Director**

1. Qualifications

a. The medical director shall be a duly licensed physician who has recognized qualifications, by training and experience, in the management of respiratory diseases and in respiratory therapy procedures.

The medical director is expected to play a pivotal role in the design, development and implementation of all courses relating to respiratory physiology and respiratory disease. This important role, as well as that of evaluating the appropriateness of nonclinical courses, requires that he/she be not only a duly licensed physician but that he/she have attained competence through experience and training in the diagnosis and treatment of respiratory disease as well as an understanding of the objectives and the application of all respiratory therapy procedures. Those lacking such training and experience cannot provide the required guidance in the development or appropriate evaluation of didactic and clinical courses.

b. The medical director shall be an active member of the sponsoring educational institution's faculty, wherever such appointments are not prohibited by state law or college charter.

The JRCRTE is aware that local statutes or collective bargaining agreements may make it impossible for the medical director to receive a regular appointment to the faculty of the sponsoring institution. Where this situation prevails the educational institution is encouraged to design and develop some mechanism whereby the medical director is permitted to participate freely in the educational and administrative activities of the sponsoring institution related to respiratory therapy.

c. The medical director shall have medical staff privileges in at least one of the primary clinical affiliates.

The medical director cannot function effectively unless he has access to patients of all types who receive respiratory care. For this reason the medical director must have staff privileges in one or more clinical affiliates. Ideally, the medical director of the program should be on the staff of one of the primary affiliates as the medical director of the respiratory therapy department or the director of one of the major diagnostic or therapeutic divisions, such as pulmonary function laboratory, intensive care unit, post-operative recovery room, etc.

2. Responsibilities

a. The medical director shall participate in the program planning and evaluation of instruction for all aspects of respiratory therapy in cooperation and collaboration with the program director and the director of clinical education.

The medical director has ultimate responsibility for the medical quality of the program. He/she must be involved in decisions concerning selection, course planning and evaluation so that emphasis appropriate to preparation for clinical practice of respiratory therapy is maintained. This planning and evaluation of the program should be a cooperative effort with the other full-time and part-time faculty.

b. The medical director shall participate actively in the didactic and clinical teaching of students.

The medical director, by accepting the position, makes a personal commitment to participate actively in the academic and clinical phases of the program. This means that the medical director must personally teach students and that this teaching activity must be designed for the specific benefit of the respiratory therapy students. Assignment to "sit in on meetings" or "participate" on regular working rounds is recommended, but is not by itself considered adequate teaching on the part of the medical director. While it is difficult to specify the precise amount of participation which is considered sufficient, it is the strong recommendation of JRCRTE that the medical director meet with the students for at least one hour each week during the entire course of instruction. This hour may consist of a formal lecture, a bedside discussion, a seminar, a literature review, or any other similar educational activity which is designed for the respiratory therapy students exclusively and which is a regular part of each week's schedule. In addition the medical director should take responsibility for seeing that questions students may raise subsequent to attending conferences and meetings are answered by appropriate individuals.

c. In support of the director of clinical education, the medical director shall ensure that the medical directors of the affiliated respiratory therapy departments provide adequate medical input in all phases of clinical education.

Since it would be unreasonable to demand that the medical director personally spend at least one hour per week with students in all affiliated hospitals, it is the medical director's responsibility to make all necessary arrangements for such physician contact to take place in all affiliated hospitals. In cooperation with the director of clinical education and with the medical director of the departments in the affiliated hospitals, the medical director of the program will assure that the students in each affiliated hospital have at least one hour of instruction each week from a physician in that particular health care facility.

d. The medical director shall participate in the instruction and evaluation of program faculty in both the educational institution and all clinical affiliates.

It is part of the medical director's responsibility to cooperate and collaborate with the program director, the director of clinical education and the responsible administrators in the sponsoring institution in the continued instruction and evaluation of all personnel who participate actively in the program. The medical director will be particularly important in assisting the medical directors of respiratory therapy and other physicians in becoming useful contributors to the education of the respiratory therapy students.

E. **Instructional Staff**

1. All faculty shall be qualified through academic preparation, experience, and appointment to instruct assigned subjects.

In relation to the academic, didactic phase of the program, it is assumed that the educational institution will make all possible efforts to assure that all courses are taught by faculty who meet the necessary educational and practical requirements of post-secondary educational institutions.

The requirements of a health related program frequently cannot be met by the faculty of the average educational institution. Properly qualified instructors in such fields as pharmacology and microbiology are rarely found on the faculty of two-year institutions. It is therefore important that qualified instructors in these fields be obtained on an individual course basis when necessary. Personnel in affiliating hospitals often will have the necessary capabilities.

2. The instructors responsible for all respiratory therapy courses shall be qualified, properly trained, and expe-

rienced in the subject matter areas assigned to them, and their qualifications shall be approved by the program director, medical director, and director of clinical education.

It is difficult to specify the educational background and experience which constitutes the minimum acceptable level for clinical instructors in respiratory therapy programs.

In general, clinical instructors should be at least at the level of training and experience for which the students are being trained. This means that if possible, clinical instructors in a respiratory therapy program should be registered therapists or graduates of an accredited therapist program. While this is desirable, the JRCRTE recognizes that in a clinical setting, experience and skill can be attained without formal education. In fact, sound experience and a true commitment to the program and its students are an entirely acceptable qualification and may develop an excellent instructor.

It is the responsibility of the program director, medical director and director of clinical education to select, test and approve the entire clinical instructional staff.

It is the intent of this section to encourage the program administrators to select carefully the best instructors for each phase of clinical instruction.

3. Educational institutions shall demonstrate that they have adequate means to ensure proper ongoing instruction of the program faculty in curriculum design and teaching techniques. In addition, all persons holding full-time teaching positions shall participate in continuing education in their area of specialization.

In order to stay current in a rapidly changing field, it is absolutely essential that the instructors remain well informed of the changes and advances in the field. They can do this only if the educational institution is prepared to facilitate and encourage continuing education and continuing self-improvement on the part of the faculty. The faculty of the program, both didactic and clinical, must be given an opportunity to participate in local, regional, and/or national educational programs and be given time and support for so doing. A faculty member who is unwilling to participate in such continuing education activity rapidly loses his or her awareness of the advances in the field and becomes less effective as a teacher. Attendance at local or regional conferences is valuable and the development of such educational programs should be encouraged.

F. Change of Key Personnel

1. Whenever the program director, medical director, or director of clinical education submits a formal resignation or ceases to function in the position, the Joint Review Committee for Respiratory Therapy Education shall be notified in writing, by certified mail, within ten working days.

The presence of the program director, medical director and director of clinical education is critical for the effective functioning of the program. For this reason the JRCRTE must be notified immediately when one of these positions becomes vacant for whatever reason. Ten working days (two weeks) should provide adequate time to notify the JRCRTE by certified mail of such a vacancy.

2. When a replacement has been appointed, a copy of the letter of acceptance shall be submitted to the Joint Review Committee for Respiratory Therapy Education, by certified mail, within ten working days of the replacement assuming the position. A curriculum vitae of the replacement shall be submitted to the Joint Review Committee for Respiratory Therapy Education, giving details of training and experience in the field and extent of involvement in the program. If the qualifications of the replacement are acceptable, program accreditation will continue.

It is the responsibility of the JRCRTE to assure that each program has the necessary personnel. The minimum is a program director, medical director and director of clinical education. For this reason every appointee for one of these positions must meet the qualifications laid down for these positions and the JRCRTE must be made aware of the name and qualifications of the appointee. This information must be submitted within ten working days (two weeks).

If the qualifications are acceptable the JRCRTE will amend its records accordingly and accreditation will continue. Should the new appointee not meet the minimum requirements for the position as stated in these Essentials, *the program will be notified immediately by the chairman or executive director of the JRCRTE.*

3. Failure to have any vacated key positions filled, either temporarily or permanently, within thirty working days during the academic year shall be cause for withdrawal of accreditation.

The presence of critical personnel is an absolute requirement for the effective operation of a program. For this reason JRCRTE believes that a vacancy in any one of the three major positions lasting longer than thirty working days (six weeks) during the academic year would deprive the students of an important educational experience. For this reason, unwillingness or inability to fill a position during this period of time will lead to a withdrawal of accreditation. JRCRTE is aware of the relative scarcity of fully qualified available personnel to fill positions of program director, medical director or director of clinical education in a relatively short period of time. The JRCRTE is willing, therefore, to accept notification of temporary appointments to fill a vacancy in one of these positions until a permanent appointment can be made.

In the case of temporary appointments, the full JRCRTE may waive some of the required qualifications for the position, provided that the program makes all reasonable efforts to fill the position permanently and that no new class of instruction is initiated unless the vacant position is filled permanently by a qualified person.

G. Advisory Committee

1. An advisory committee shall be appointed by the chief administrative officer of the institution sponsoring the program.

Advisory committees are a relatively new concept in higher education. Some programs look at them with some suspicion since they are not provided for in traditional academic procedure. A well organized, active advisory committee is an important force in evaluating, balancing, and reconciling the diverse interests of the governing board of the educational institution, the institutional administrations, the respiratory therapy faculty, the hospitals, the students, and the community which must finance the education and expects to benefit from the product of the program.

It is for this reason that the Essentials *require the active and vigorous participation of a well balanced advisory committee in the affairs of every program in respiratory therapy education.*

Since the advisory committee is advisory primarily to the president and executive officers of the sponsoring institution, the JRCRTE feels that the right to appoint the members of this committee should properly be vested in the chief executive officer of the sponsoring educational institution from a panel of candidates prepared by the program director.

2. The advisory committee shall assist in the continuing development and evaluation of the program, in faculty appointment and coordination, and in the development of effective clinical relationships.

This Essential *is self-explanatory and needs no amplification, except that the functions of the committee need not be limited to those listed above.*

3. The advisory committee shall have representation

from each primary and secondary affiliate. The committee shall have two concerned health professionals not associated with the program and at least one non-health professional member who is not associated with the sponsoring institution or any clinical affiliate and who shall represent the public at large.

The composition of the advisory committee is important if the committee is expected to function effectively. The temptation to load the committee with program faculty is considerable and must be resisted. Ideally, the committee should have one representative from each affiliated institution, two health professionals who are not affiliated with the program and at least one non-health professional who is not affiliated with the sponsoring organization or any of its affiliated hospitals. In addition, it is strongly recommended that wherever this is not specifically prohibited, a student member is required to make a report at each meeting. The meetings of the committee should be attended by a senior executive officer of the sponsoring organization and by the program director, medical director and director of clinical education who may or may not be voting members of the advisory committee. The committee should elect its own chairperson, set its own rules and regulations and appoint a secretary.

4. The advisory committee shall meet at least three times each year and minutes of all meetings shall be taken and maintained.

All minutes of the advisory committee meetings shall be available for inspection by the site visitors at the time of the accreditation or reaccreditation site visit.

VI. STUDENTS

A. Selection

1. All federal and state non-discrimination laws shall be rigidly observed.

The JRCRTE strongly urges all sponsoring institutions to encourage recruitment of properly qualified minority students.

2. Selection of students shall be made in accordance with the generally accepted practice of the educational institution as related to health science students.

The JRCRTE cannot dictate the methods and practice of admission to an accredited educational institution. It can and does insist, however, that a policy for admission to the health science programs be developed by the educational institution and that the requirements for entry into these programs be clearly defined.

It is the strong recommendation of the JRCRTE that the requirements for entry into the respiratory therapy program be more stringent than the general admission policies of the educational institution. The "open door" policy is an admirable concept which must be strongly supported in general terms. The requirements of a health profession are so stringent, the time allotted for the educational activity is so short, and the process so expensive that the JRCRTE considers it advisable to have educational prerequisites for admission to the respiratory therapy program. It has been the experience of most respiratory therapy educators that a course in high school algebra and high school chemistry enhances the likelihood of successful completion for the students, and permits better utilization of time during the basic science portion of the curriculum.

General college aptitude tests, personal interviews, letters of recommendation, etc., may be used at the discretion of the educational institution.

3. Appropriate admission data shall be on file at all times at the sponsoring institution and shall be accessible to the applicant.

Documentation for both accepted and rejected students shall be maintained in accordance with state laws, local regulations and standard practices.

4. Candidates for all programs shall be graduates of an accredited high school or college or shall have successfully completed the standard high school equivalency examination. In exceptional circumstances, students may enter a program prior to graduation from high school but must have a high school diploma prior to graduation from the respiratory therapy program.

In recent years a number of high schools have initiated vocational programs in the area of health careers. The JRCRTE looks with favor on this trend but has serious concern about the lack of judgment and maturity which may be exhibited in critical patient care situations by students younger than the usual age of graduation from high school. It is for this reason that the successful completion of a high school curriculum or its equivalent is required for entry into a postsecondary educational institution sponsoring a respiratory therapy program.

B. Health

1. Applicants shall be required to submit evidence that they are physically fit to perform the duties and assume the responsibilities of the profession.

The JRCRTE is concerned that the students entering the emotionally and physically demanding profession of respiratory therapy are fit for this career. Emotional assessment is extremely difficult, if not impossible, and JRCRTE relies on the good judgment and experience of admission counselors in the sponsoring institutions to advise applicants and admission committees appropriately.

As far as the physically handicapped are concerned, JRCRTE urges that within the obvious limitations, applicants with physical handicaps be given every consideration for admission to the program.

2. The sponsoring institution shall develop policy to ensure the provision of medical care for the students' health problems arising during the course of the clinical program.

The health care of students in respiratory therapist programs should be a serious concern to both the sponsoring institution and the clinical affiliates. The JRCRTE must insist that every program develop some mechanism so that students may avail themselves of adequate health care protection at reasonable group rates. During the clinical phase of instruction, students must receive the same type and quality of emergency medical care that is provided to regular employees of that particular health care facility.

C. Number

The number of students enrolled in each class shall be commensurate with effective learning and teaching practices and shall also be consistent with an appropriate student-instructor ratio for respiratory therapy training. Programs having more than twenty students enrolled shall have at least two full-time faculty members plus one additional full-time equivalent faculty member. In the clinical phase of the program there shall be at least one clinical instructor available for every five students.

This section of the Essentials *is one of the most difficult ones to interpret accurately. The JRCRTE is naturally reluctant to set specific numerical requirements or limitations on the total number of students or on the student-instructor ratios since the optimal number or the ideal ratio is subject to considerable variations and depends largely on such factors as the quality of students and instructors, the subject matter under consideration, and the availability and quality of clinical material and equipment. Nevertheless, and in order to assure a satisfactory number of students and a minimum acceptable student-instructor ratio, JRCRTE now requires that any program having more than twenty students in the program at any one time must have at least two full-time faculty members whose entire professional activity is devoted to the program. In addition, there must be one additional full-time equivalent faculty member in the program. JRCRTE recommends that this additional academic* *full-time equivalent be composed of not more than two half-time appointees whose primary responsibility is instruction in respiratory therapy professional courses.*

Health care students have many personal and professional problems which require expert guidance and counseling. It is strongly recommended that the educational institution designate one or more professionally qualified counselors to serve the students in the health career programs of the institution. These counselors should become thoroughly familiar with the content of the respiratory therapist program and with the special problems generated by the stresses of patient care.

D. **Counseling**

Student guidance and counseling services shall be available.

VII. RECORDS

The following records shall be maintained by the sponsoring institution.

A. Proof of prior education or experience.
B. Application and admission data.
C. Sample copies of all course examinations given and grades obtained by the students.
D. Clinical experience and proficiency records.
E. Instructor evaluations of all students in both the didactic and clinical phases of their education, signed by the instructor and the student.
F. A copy of the complete curriculum.
G. Copies of course outlines and class schedules.
H. Educational and behavioral objectives for all courses and clinical rotations.
I. Evidence of periodic evaluation of instructors, courses, and program objectives.
J. Minutes of advisory committee meetings.

Each affiliated respiratory therapy department and special laboratory used in clinical instruction shall maintain weekly, monthly, and annual reports of staffing and activities.

Good records are the hallmark of a good program. The JRCRTE wishes to draw particular attention to subsections G, H, and I. Modern educational practices require that both instructors and students be thoroughly familiar with the educational and behavioral objectives of the entire program and each of its component courses. Course outlines, in as much detail as practical and revised at regular intervals, are essential for good teaching. The same holds true for written and updated objectives.

At the time of the initial and periodic reaccreditation site visit, documentation will be required to prove compliance with these Essentials.

VIII. CURRICULUM

A. The minimum length of the educational program for the training of respiratory therapists shall be no less than 20 calendar months, and the institution shall grant a minimum of 62 semester hours credit or its equivalent.

The JRCRTE requires 62 semester hour credits and a total length of the program of no less than 20 calendar months. This shall not be construed as an optimal or maximal requirement. The purpose of an educational program is to prepare the students for their chosen career. JRCRTE believes that this cannot be done satisfactorily in less time than stated above.

If the educational institution believes that it can best accomplish its purpose in the framework of a standard four-year college course leading to a baccalaureate degree, it is encouraged to design such a program. Baccalaureate programs designed to produce a better educated and more highly trained respiratory therapist and to provide the students with an opportunity for some selective specialization are favored by JRCRTE. The JRCRTE is prepared to assist educational institutions in such development.

B. Instruction in all programs shall follow a planned outline. There shall be a group of didactic courses accompanied or followed by a series of structured clinical experiences. There shall be sufficient laboratory courses and exposure to thoroughly familiarize all students with respiratory therapy equipment prior to entry into the clinical phase of the program.

The following general outline of instruction includes only the absolute minimum requirements and does not include courses in the arts, humanities, or social sciences which may be required by state law or be offered as electives.

1. Basic units of instruction
   a. General science to include biology, chemistry, physics, and mathematics
   b. General anatomy and physiology
   c. Cardiopulmonary-renal anatomy and physiology
   d. Microbiology
   e. Pharmacology
   f. Clinical topics
   1. General medicine and medical subspecialities
   2. Cardiovascular diseases
   3. Diseases of the respiratory system and disorders of breathing
   4. General surgery and surgical subspecialities
   5. Pediatrics (including perinatology)
   6. Anesthesiology
   7. Patient psychology and communication

2. Respiratory therapy units of instruction
   a. Gas therapy
   b. Humidity therapy
   c. Aerosol therapy
   d. Airway management
   e. Mechanical ventilation therapy
   f. Blood gas analysis and interpretation
   g. Cardiopulmonary resuscitation
   h. Chest physiotherapy
   i. General patient care (i.e. nursing principles)
   j. Cardiovascular evaluation and testing
   k. Pulmonary function testing
   l. Pulmonary rehabilitation and home care
   m. Organization and administration of respiratory therapy departments
   n. Ethics of respiratory therapy and medical care

The basic units of instruction and the respiratory therapy units of instruction are only headings which indicate the general areas in which specific instruction and/or laboratory and clinical experience must be provided for all students. The content of courses and the time devoted to each course cannot and should not be specified and defined by the Essentials. *These courses should be determined by most careful deliberation of each individual educational institution and its faculty. It is their responsibility to stay at the leading edge of respiratory therapy education and to design and to modify each and every course every year so that it encompasses current concepts and recent advances in respiratory care and education. To accomplish this the faculty must constantly incorporate new knowledge into their courses of instruction and translate them into clinical practice.*

It is strongly recommended that all instructors in respiratory therapy programs participate at least biannually in the written examination offered by the National Board for Respiratory Therapy (NBRT) and in all self-evaluation examinations offered by the AART. Attendance at continuing education courses has already been alluded to in these guidelines as being of great value.

While it is the stated policy of JRCRTE that course contents and instructional objectives must remain the unquestioned prerogative of the sponsoring educational institutions, *JRCRTE wishes to offer the following suggestions to assist the programs in the development of sound and appropriate courses.*

Basic units of instruction: These courses must encompass a thorough and detailed discussion of the general subjects and must combine both didactic instruction and structured laboratory experiences. The base of all courses must be broad and the content must review the respective areas in their entirety well beyond the specific and particular requirements of clinical respiratory therapy. The students must understand the basic sciences and how basic principles relate to the clinical applications of the specialty. A general overview of mathematical principles, biological sciences, pathology, microbiology, clinical medicine, and therapeutics must be accompanied by special, in depth study of cardiopulmonary and renal anatomy, pathology, clinical management and therapeutics. In these areas the level of instruction must be similar to those ordinarily provided to medical students since the fully trained respiratory therapist must communicate with, and indeed advise, physicians and nurses not specifically trained in respiratory care.

Respiratory Therapy Units: These areas are the technical portions of the field of respiratory therapy. The students must be brought to a level of understanding and competence which is unique among all health care providers. This cannot be done unless the courses in these units are a judicious mixture of instruction in the mechanical, physiological, and clinical principles involved and extensive opportunity is provided to obtain knowledge and skill in a well equipped laboratory where the students have the opportunity to use, evaluate, and maintain the various types of equipment used in respiratory care.

Clinical Instruction: The JRCRTE, based on most recent experience, concludes that a program of clinical instruction cannot assure clinical competence in modern respiratory therapy unless at least 1,000 hours of structured patient contact are provided.

C. **Advanced Standing**

All educational programs shall consider granting advanced standing to qualified applicants for such standing, and records of such consideration shall be available. If a program grants advanced standing, this shall be done on the basis of transferable credit, equivalency examinations, or developmental experiences where appropriate. In all cases of advanced standing, appropriate assessments and documentation shall be made a part of the student record. A description of the methods whereby advanced standing is granted shall be available to applicants, and all eligible applicants for advanced standing shall be given an opportunity to obtain such advanced standing provided there are positions available in the class for which the applicant may qualify.

The certificate or diploma granted by the program shall be the same for all students regardless of whether advanced standing has been granted or not.

The JRCRTE does not have the authority to require the educational institutions to grant advanced standing, but JRCRTE is committed to this concept and encourages the granting of such advanced standing with all possible vigor.

D. **Catalog**

An official publication, including a description of the curriculum, shall be issued at least biennially. It shall include information regarding the organization of the program, a brief description of the required courses, names and academic ranks of faculty, entrance requirements, tuition, expenses associated with clinical education requirements, fees, and information concerning hospitals and facilities used for directed clinical experience. The catalog shall indicate if advanced standing is granted.

The catalog must be a formal, printed publication issued at regular intervals which includes all instructional courses offered by the sponsoring educational institution. The description of all courses must be such that students should be able to select intelligently such elective courses which would be of interest to them and which would complement the courses required for graduation from the program.

ADMINISTRATION OF ACCREDITATION

The following procedural requirements are not part of the *Essentials of an Accredited Educational Program for the Respiratory Therapist*, but represent the procedures which will be followed in the implementation of the above *Essentials.*

A. **Accreditation**

1. The initial evaluation of the educational program, including an on-site survey, shall only be initiated by the express invitation of the chief administrator of the sponsoring institution or an officially designated representative.

Accreditation is a voluntary process which must be initiated by the educational institution sponsoring the program. The purpose of the accreditation process is to assure high quality of education. National credentialing agencies may require graduation from a CAHEA-accredited program for admission to their credentialing process. The first step of the accrediting process following application by the sponsoring educational institution is the issuance of a "Letter of Support." A "Letter of Support" is issued by JRCRTE upon receipt and review by the JRCRTE of a complete and satisfactory application from a program. The "Letter of Support" is valid for one year during which time an on-site visit will be held, but does not in itself constitute accreditation. Students who graduate from a program prior to its being granted a "Letter of Support" will not be considered graduates from an accredited program. Following the initial on-site survey and discussion of the visitors' report, the JRCRTE may recommend full accreditation status, accreditation with qualifications, or non-accreditation. These recommendations are made to the Committee on Allied Health Education and Accreditation which is the accrediting agency recognized for respiratory therapy programs by the United States Office of Education. The qualifications, if any, will be listed and the program will be given a specified period of time to correct the deficiencies. If the deficiencies are corrected in the specified period of time, full accreditation will be granted upon review by the JRCRTE.

Periodic reevaluations will be held at which time full accreditation, accreditation with qualifications or probationary accreditation may be granted.

2. The accrediting agency shall have the right to initiate an unannounced on-site evaluation in the event that a meritorious complaint indicates failure on the part of the program to substantially comply with the *Essentials.*

The present schedule calls for evaluation only every five years. If serious or repeated complaints are received in writing about a program, the JRCRTE believes that it may be necessary to perform an on-site evaluation to assess the validity of the complaint(s) received. The JRCRTE would not live up to its responsibilities to the students if it did not use its authority to investigate complaints it deems to be legitimate.

3. The institution sponsoring the respiratory therapy education program shall be responsible for the timely payment of all fees authorized by the Committee on Allied Health Education and Accreditation.

The JRCRTE must support the major portion of its activities through fees paid by the sponsors of educational programs.

Fees assessed are authorized by CAHEA. Careful scrutiny is maintained to insure that the fees remain at the minimum level necessary to support committee functions directly related to accreditation.

B. **Withdrawal of Accreditation**

1. The institution may request that it be removed from the list of accredited programs at any time. Such a request must be in writing and must be signed by the responsible administrative officer of the sponsoring institution.

The sponsoring educational institution may request, for compelling reasons, that its program be removed from the list of accredited programs. Such requests must be made formally to CAHEA giving the reasons for the request, and must be signed by a responsible administrative officer of the sponsoring institution. Full information on how the rights of the students are being protected must also be provided.

2. The Committee on Allied Health Education and Accreditation shall withdraw accreditation whenever
   a. The educational program is not maintained in accordance with the *Essentials* outlined above.

Any violation of the Essentials *which is not corrected in a reasonable time will result in a recommendation for withdrawal of accreditation.*

   b. A key person leaving the program is not replaced (See V F 3)
   c. There are no students in the program for two consecutive years.

If a program for whatever reason fails to admit students for two consecutive academic years it will automatically be considered to have lost its accreditation status. Should the sponsoring organization wish to reactivate the program, a new application will be required.

   d. The institution refuses to permit an on-site evaluation of the program within one year after a request is made by the Joint Review Committee for Respiratory Therapy Education.

Except as indicated in Section IX A 2 of these Essentials, *the sponsoring educational institution has the prerogative of arranging the time of on-site evaluation at its convenience and at a time when students are available for interview by the on-site evaluation team. Nevertheless this prerogative of the sponsor cannot be permitted to delay on-site evaluation indefinitely. For this reason refusal to permit on-site evaluation within one calendar year from the time the request for such a visit is made by the JRCRTE is deemed a valid and sufficient reason to withhold or withdraw accreditation.*

   e. Authorized fees are not paid within 30 days following receipt of notification by certified mail that said fees are past due.

The JRCRTE cannot function properly and cannot meet its obligations to the programs and their students unless it has the financial resources to do so. These resources are derived primarily from the application fees and annual fees paid by all programs. Statement of fees will be issued by the JRCRTE on or about the first of January of each year and payments will become due on or before the first of April of the same year. Programs which have not remitted their payments by that date will be given a second notice by certified mail. Probationary status will be recommended if payments are not made within 30 days of receipt of the second notice unless the program formally requests an extension stating acceptable reasons for the delay.

3. Accreditation will be withdrawn only after advanced notice has been given to the institution that such action is contemplated, and the reasons thereof. Sufficient time shall be provided to permit the opportunity for response and correction of identified deficiencies.

Any program having gained accreditation cannot have its accreditation withdrawn without proper notification. This notification granting probationary status has to be in writing, sent by certified mail and has to give a deadline by which accreditation will be withdrawn unless the cause for probation is corrected. Probation may be as short as 30 days for nonpayment of dues or as long as twelve months for the correction of an academic deficiency. Probationary status will not be extended past the twelve month deadline except under extraordinary circumstances.

4. Appeal
   Decisions to withhold or withdraw accreditation may be appealed to the Committee on Allied Health Education and Accreditation. The procedures established by CAHEA which are in effect at the time of the appeal shall apply.

Due process in all decisions to withhold or withdraw accreditation will be observed, and CAHEA procedures at the time of the appeal will be observed.

C. **Reports**

An annual report shall be made to the accrediting agency. This report shall cover the previous academic year and shall be filed on a standard report form at a time designated by the Committee on Allied Health Education and Accreditation.

Once a year, each program will be required to submit a report to the Department of Allied Health Evaluation of the AMA. This report supplied on a standard form, will request statistical data concerning students, faculty and other such information as the Committee on Allied Health Education and Accreditation may from time to time require. Return of a completed report form is part of the basis for annual renewal of accreditation.

D. **Resurvey**

The accrediting agency shall institute periodic on-site visits to the respiratory therapy educational program for consultation and reevaluation.

In order to satisfy the requirements of sound and continued quality assurance, the JRCRTE will require that all sponsoring educational institutions prepare and submit self-evaluation documents and permit on-site evaluation visits at stated intervals. When the annual reports required in Section IX, C above are satisfactory and no complaints requiring investigation are received, such resurveys will be conducted approximately every five years.

E. **Renewal of accreditation**

Renewal of accreditation shall be dependent upon conformity with all requirements stipulated in the *Essentials* and, in addition, on payment of current and lapsed accreditation fees.

The renewal of accreditation is granted automatically on an annual basis provided the annual report is filed, the annual fees are paid and none of the reasons for withdrawing accreditation have arisen during the previous twelve months.

Essentials and Guidelines of an Accredited Educational Program for the Respiratory Therapy Technician

Essentials initially adopted 1972; revised 1977
Adopted by the
AMERICAN ASSOCIATION FOR RESPIRATORY THERAPY
AMERICAN COLLEGE OF CHEST PHYSICIANS
AMERICAN MEDICAL ASSOCIATION
AMERICAN SOCIETY OF ANESTHESIOLOGISTS
AMERICAN THORACIC SOCIETY

Program Review Committee
JOINT REVIEW COMMITTEE FOR RESPIRATORY THERAPY EDUCATION

Essentials, which present the minimum accreditation standards for an educational program, are printed in regular typeface. The extent to which a program complies with these standards determines its accreditation status; the *Essentials* therefore include all requirements for which an accredited program is held accountable.

Guidelines, explanatory documents which clarify the *Essentials,* are printed in italic typeface. Guidelines provide examples, etc., to assist in interpreting the *Essentials.*

PREAMBLE

The Essentials of an Accredited Educational Program for the Respiratory Therapy Technician are developed by the Joint Review Committee for Respiratory Therapy Education (JRCRTE) which is organized under the auspices of the Committee on Allied Health Education and Accreditation and is co-sponsored by: American Association for Respiratory Therapy (AART), American College of Chest Physicians (ACCP), American Society of Anesthesiologists (ASA), and American Thoracic Society (ATS). The JRCRTE consists of twelve members. Six members are appointed by the AART and two each by the ACCP, ASA, and ATS.

The *Essentials* represent the minimum requirements for a CAHEA-accredited educational program and have been developed after extensive discussion with respiratory therapy educators, respiratory therapy practitioners and physicians. They have been endorsed by all sponsoring organizations and have been approved by the Council on Medical Education.

The guidelines are designed to assist respiratory therapy programs in meeting and exceeding the *Essentials* and in developing sound learning environments. It is not the intent or desire of the JRCRTE to influence educational philosophy or to impinge upon the autonomy of the educational institution or the academic freedom of the faculty.

OBJECTIVE

The education and health professions cooperate to establish and maintain standards of appropriate quality for educational programs in respiratory therapy and to provide recognition for educational programs which meet or exceed the minimum standards outlined in these *Essentials.*

These standards are a guide for the development and self-evaluation of educational programs designed to prepare students for entry level positions as respiratory therapy technicians. On-site evaluations are conducted by the Joint Review Committee for Respiratory Therapy Education on behalf of the Committee on Allied Health Education and Accreditation to verify compliance with these requirements, and lists of accredited programs are published for the information of employers and the public.

DESCRIPTION OF THE OCCUPATION

The following description was developed by the AART and has been approved by the Board of Directors of that organization. The JRCRTE is pleased to accept this description and has designed the *Essentials* to provide minimum standards for education to enable the graduates of accredited respiratory therapy technician programs to enter their chosen profession with the necessary skills and knowledge.

"The respiratory therapy technician specializes in the technical details of general respiratory therapeutics. The knowledge and skills of the technician are usually acquired through formal education programs of at least one year in length.

"Technicians may assume clinical responsibility for specified respiratory care modalities involving the application of well-defined therapeutic techniques under the direct or indirect supervision of a therapist or physician.

"The technician's role does not require the exercising of independent, clinical judgment; however, the technician is expected to adjust or modify therapeutic techniques within well-defined procedures based on a limited range of patient responses. Therefore, the effective use of the technician, especially in the critical care setting, requires the supervision of a respiratory therapist or a physician experienced in respiratory care.

"In fulfillment of this role, the technician may perform the following respiratory care modalities under direct or indirect supervision by a therapist or physician: intermittent positive pressure breathing (IPPB), humidity/aerosol therapy (including the administration of aerosolized medicants under physician prescription), medical gas therapy, pulmonary drainage procedures, and cardiopulmonary resuscitation. Further, the technician may be instructed in infection control and cleaning, sterilizing, and maintaining respiratory therapy equipment."

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Site of educational programs:

A. Public or private postsecondary vocational and/or technical schools and institutions, community or junior colleges, or universities, all of which must be accredited by agencies recognized by the Commissioner of Education of the United States Office of Education or the Council on Postsecondary Accreditation and which have affiliated for the clinical phase of their program with hospitals currently licensed to operate as required by their appropriate governmental jurisdiction and eligible for, or meeting standards established by a recognized voluntary accrediting agency provided they meet or exceed "Standards for Respiratory Care Services" of the Joint Commission on Accreditation of Hospitals (JCAH).

The intent of this Essential *is to improve the educational standards of respiratory technicians and to encourage vertical career mobility for the graduates of technician programs.*

Ideally, the organizational responsibility and accountability for the education of the respiratory therapy technicians should reside in a postsecondary educational institution. This institution shall grant the appropriate degree or certificate and shall provide credit for all phases of the program consistent with the general policies of the educational institution.

The educational institution is expected to assure and maintain adequate control and supervision over the quality of the curriculum, course content, instruction, budget, faculty and student selection and all other requirements set forth in these Essentials.

The hospitals or other health care facilities affiliated with a sponsoring organization to provide the site for the required clinical instruction and experience must be accredited by the JCAH or must meet the "Standards for Respiratory Care Services" set forth by the JCAH.

The relationship of the clinical facility and the sponsoring educational organization must be formal and include a contractual agreement. In addition there must be a thorough understanding and a willing cooperation between the personnel of these organizations. Cooperative exchange of ideas between educational and clinical specialists is critical to the successful education of respiratory therapy technicians.

B. Hospitals accredited by the Joint Commission on Accreditation of Hospitals or hospitals currently licensed to operate as required by their appropriate governmental jurisdiction and eligible for, or meeting standards established by a recognized voluntary accrediting agency, provided that an affiliation or agreement is established with an educational institution as defined above (I.A.) for the purpose of cooperating in the educational process and to grant academic credit for at least the didactic part of the program.

In order not to exclude technician programs in areas where available postsecondary educational institutions are unable to assume full sponsorship of the respiratory therapy technician program, the JRCRTE will continue to accredit such programs sponsored by hospitals which meet requirements stated in this Essential, *provided that the sponsoring hospital establishes an affiliation with a postsecondary educational institution. The purpose of such affiliations is to assure that all respiratory therapy technician students be given an opportunity to participate in a formal educational experience conducted by professionally qualified educators and that these students have the opportunity to get credit for at least a part of their courses.*

It is the hope of the JRCRTE that such affiliation will improve the education in the basic sciences and humanities for the students, will assure the option for all students to continue their education and upward mobility with a minimum loss of time and effort, and will decrease the financial burden on the hospital.

The JRCRTE is fully aware of the problems that this Essential *may cause for a very small number of programs. Nevertheless, such affiliations currently enjoyed by the very large majority of programs and achievable by all but a minimal number of programs represent such a significant improvement for the profession at large and for the patients requiring respiratory care that the JRCRTE is prepared to make exceptions to this* Essential *only if the program can show good and sufficient cause why it should be excused from compliance.*

This exemption from compliance with this Essential *will not be made available to programs currently without accreditation status. No hospital based program will be eligible for exemption from this* Essential *after the establishment of an accredited external degree program in respiratory therapy.*

II. CLINICAL FACILITIES

There are two types of clinical affiliations:

A. A primary affiliation shall meet the following criteria:

1. The hospital(s) shall comply with the standards for respiratory therapy of JCAH.

Primary affiliates are those which provide a comprehensive variety of clinical procedures and services commensurate with the types and level of practice throughout the nation. Such affiliates shall conform to all current JCAH standards for respiratory therapy and provide both basic respiratory therapy as well as mechanical ventilatory support on an active 24-hour a day basis. Ideally, primary affiliates should provide adequate pulmonary function experiences and such other diagnostic and therapeutic services which are in conformance with modern respiratory care.

2. The hospital(s) shall provide 24 hour in-house respiratory therapy coverage, by respiratory therapists and/or technicians.

The purpose of the primary affiliate hospital is to provide a broad spectrum of respiratory therapy services so that the students may observe a model, full coverage department in operation, and avail themselves of the learning opportunities provided by such a department. For this reason, the primary affiliate hospitals must have a sufficiently large, permanently employed, adequately trained respiratory therapy staff to provide suitable coverage at all times. "On-call" or student coverage is not acceptable.

3. The procedures performed by the respiratory therapy department shall be adequate in number for the number of students enrolled and shall be representative of practice throughout the nation.

The number and variety of services provided by primary affiliates shall be sufficient to provide all students accepted within that institution with adequate and meaningful exposure and experience. The procedures performed by each primary affiliate must be consistent, in technique and quality, with the nationally accepted level of practice. When procedures are *varied and representative of current practice, the total number of procedures performed by the respiratory therapy department should exceed 1,000 procedures per student per year. This recommended figure of 1,000 procedures per student is based on the variety of procedures and should not be based on excessive utilization of a limited number of procedures such as nasal oxygen or IPPB administration. Hospitals which limit their admission on the basis of age or type of disease are not usually suitable for primary affiliation.*

B. A secondary affiliation shall meet the following criteria:

1. The facility shall be used only for specialized learning experiences.

The purpose of secondary affiliate hospitals is to provide special training for students in certain areas of respiratory care. This type of affiliation is particularly suitable to provide experience in pulmonary function testing, cardiac diagnostic studies, operating room experience, trauma management, neonatal care, pulmonary rehabilitation, chest physiotherapy, etc.

Secondary affiliates need not have 24-hour, in-house coverage and the range of therapy provided may be limited to specific procedures or special equipment.

2. These specialized areas must be under active and competent medical direction.

The specialized areas to which students are assigned must be under competent medical and technical direction and a qualified staff must be available for adequate instruction and supervision.

3. There shall be an up-to-date policy and procedure manual for the laboratory or service to which students are assigned at the secondary affiliate.

Each specialized laboratory or service to which students are assigned shall have current and complete manuals defining departmental policies and describing each procedure performed within those laboratories or services. Such policy and procedure manuals should be available to each student assigned to these areas.

C. In addition, both types of affiliations shall:

1. Be located so as to permit consistent integration within the educational process.

All affiliated health care facilities must be located within reasonable distance of the sponsoring educational institution. This will provide ready access for students, faculty, and administrators, without requiring extensive and unreasonable expenditures in time and money for travel.

2. Permit the program director, medical director, and director of clinical education access to all areas to which students are assigned.

All affiliated hospitals must extend to the medical director, program director, and director of clinical education the courtesy of free access to the areas which are being used to provide students with clinical experience. The hospital must provide the opportunity for the program faculty to inspect the facilities and to have discussions and conferences with the hospital personnel involved in student teaching, and the faculty must have the opportunity to observe the student during any and all phases of clinical practice. Such access is necessary in order to permit program faculty the opportunity to participate adequately in instruction and evaluation.

3. Cooperate fully with the program director, medical director, and director of clinical education to assure that activities assigned to students in the clinical setting are, in fact, educational.

This paragraph is related to the profound concern of the JRCRTE that the clinical facilities do not exploit students assigned there for clinical education. Under no circumstances may students be used to replace or supplement hospital employees in the provision of patient care. No clinical facility will be considered acceptable unless it is staffed adequately to provide all required services without assistance from the students.

While students are expected to work with patients, this work must be a structured learning experience and not a routine performance of patient care. During the later phases of their clinical experience students will be expected to perform certain tasks without direct supervision. These tasks must still have educational value and can not be considered as relief for regularly employed hospital personnel.

4. Have a signed, written agreement with the educational institution with which they are affiliated.

No program affiliation will be acceptable unless there is a contract between the educational institution and the clinical affiliate which conforms in all particulars to the standard forms as outlined in "Form and Function of Written Agreements in the Clinical Education of Health Professionals" by Moore, Porter and Nouse, Charles B. Slack, Inc., Thorofare, New Jersey, 1972. The contract must be signed by responsible administrative officers of both institutions and must be available for inspection by the JRCRTE. Such a contract is necessary to define and protect the rights, obligations, and liabilities of students as well as of the contracting parties.

5. Maintain modern equipment and supplies in sufficient quantity and variety to provide adequate support for student participation in clinical therapy.

In this clinical profession it is necessary for students to be exposed to and experienced in the use of a wide variety of equipment. The intent is not to require respiratory care departments to provide equipment which would otherwise not be used, but rather to assure that students are exposed to as wide a representation of equipment encountered in respiratory care as is possible and practical. Each affiliate is expected to have a sufficient variety and quantity of modern equipment to provide optimal patient care. Departments unable to provide a comprehensive range and variety of services in respiratory therapy as a result of insufficient equipment or supplies may not be acceptable for affiliation.

III. PROGRAM FACILITIES

A. Adequate classrooms, ancillary student facilities, and administrative offices shall be provided at both the clinical affiliates and the educational institution. Secretarial and clerical support, office supplies, and equipment shall be sufficient in quantity and type to support program activities.

While good education is theoretically not dependent on environment, there is a relationship between a pleasant and suitable environment and the quality and effectiveness of the educational process. Both the students and faculty of a program must have adequate space and facilities provided to them by both the educational institution and the clinical facility which are conducive to pleasant and profitable teaching and learning. Classrooms must be of adequate size for the number of students in the program. The classrooms must be appropriately furnished, well lighted, and ventilated. Appropriate heating and air conditioning must be provided where dictated by climatic variables. The students in the program must have suitable space for storage of their books and personal belongings and, in a clinical setting, lockers must be provided if special clothing or uniforms must be worn. Students should be permitted free access to all eating and recreational facilities provided to regular employees.

No program can function properly if it is not provided with appropriate secretarial support and adequate office supplies and equipment. The faculty must have the facilities to dictate and have dictations transcribed and duplicated in reasonable time.

B. Laboratory facilities shall be adequate to provide all students with experience in using a representative of each type of equipment they are likely to encounter in clinical practice.

This is an extremely important new concept in the Essentials. *It evolved from the realization that clinical experiences were not really meaningful unless the students were thoroughly familiar with the equipment they were using to provide patient care. In addition, clinical time is far too valuable to be spent in acquiring the ability to manipulate equipment mechanically. For this reason it is now required that in the pre-clinical phase of the curriculum a course be identified which gives the students the opportunity to learn the operation of all equipment they are likely to encounter in the clinical setting. This laboratory located in the sponsoring institution, or if absolutely necessary, in one of the primary affiliates, must be equipped with a source of compressed gas and suitable simulation and measuring equipment so that students may operate, observe, manipulate, dismantle, and reassemble equipment until they become fully capable of setting up, testing, operating, and trouble shooting all the numerous devices used in respiratory care prior to the use of such equipment in direct patient care. These laboratory facilities should be made available to students upon request and at times when such facilities are not ordinarily used for instruction.*

C. Libraries must be maintained and readily accessible to students in both the educational institution and the clinical facilities. These libraries must contain a sufficient number of relevant and current textbooks, monographs, periodicals, and other reference material regarding respiratory therapy theory and practice in order to provide students with learning opportunities without undue delay or expense.

Reference materials should include the latest editions of the standard textbooks in basic and clinical sciences and in respiratory care. Journals dealing with diseases of the cardiovascular and ventilatory systems should also be available. Students must have free access to all libraries (school, hospital, or department). Library hours should not be limited to weekdays or daylight hours. Students should be encouraged to establish select libraries of their own.

One of the libraries in the system should have a trained librarian in charge to assist students in securing material from other libraries and in the intelligent utilization of reference material.

D. Self-instructional materials and appropriate audiovisual equipment shall be available and used whenever appropriate.

The rapid expansion of educational technology and the increasing availability of excellent audiovisual teaching materials makes it essential that all programs make this form of instruction available to the students.

Self-instructional techniques may be used to supplement all and replace some formal classroom or laboratory teaching. Where possible, self-instructional study centers should be established and available to all students. Said resources should be made available to the clinical affiliates for student instruction.

IV. FINANCES

A. Financial resources for continued operation of the educational program shall be assured through specific program budgetary appropriation both at the educational and the clinical affiliates.

Financial support, based on specific program budgetary allocation, is necessary for the salaries of administrative, instructional and support personnel, and for instructional materials and office supplies. Program budget should also accommodate staff travel associated with clinical coordination and instruction, and program staff participation in continuing professional education, as well as student and alumni services.

B. The fees charged to students shall be reasonable. Where fees must defray the total costs of operation of the program, responsible accounting shall be provided to the accrediting agency on request.

Students should be expected to pay reasonable fees associated with the cost of their education. In those instances where charges assessed students must defray the total cost of their education, the accrediting agency reserves the right to request verification of such costs based on reasonable and accepted accounting procedures. It is understood that some programs must show a profit or cease operation.

C. No stipend, salary, or other hourly, weekly, or monthly payment shall be made to any student by the educational institution or any of its clinical affiliates for any course or clinical assignment for which academic credit is granted or which is a requirement for the completion of the program.

Academic institutions and clinical affiliates are encouraged to award scholarships, grants-in-aid, and loans to properly qualified students. However, stipends, salaries or other forms of financial remuneration paid to students based only on the completion of any academic or clinical course are inappropriate systems of reward within an academic environment. Such mechanisms of financial assistance frequently place quantitative rather than qualitative demands on students which detract from the quality and comprehensiveness of student training.

Educational programs based on cooperative education models are appropriate and acceptable provided that a) other programs within the sponsoring institution are based on similar cooperative education systems; b) clinical training periods are adequately supervised by program faculty; c) all affiliates providing cooperative educational clinical experience satisfy all the Essentials *for primary or secondary affiliations; and d) all current* Essentials *are met or exceeded during clinical cooperative education rotations.*

D. The program shall not substitute, or permit to be substituted, students for paid personnel to conduct the work of the clinical affiliates.

Patient care and/or other clinical responsibilities assigned to students should have as their primary objective appropriate exposure to procedures and development of clinical skills. Under no circumstances shall any students perform or be expected to perform any services which otherwise would not be performed in their absence by regular affiliate staff. Clinical phases of instruction must be totally educational in nature. The substitution of students for departmental staff in performing departmental work negates the educational value of the clinical affiliation periods and is alone sufficient cause for the withholding or withdrawal of accreditation.

V. FACULTY

A. The sponsoring institution shall appoint a full-time program director, a full-time director of clinical education, and a medical director. The program director shall have primary responsibility and accountability for the operation of the program.

The respiratory therapy program must be managed on a full-time basis. Programs supervised by part-time personnel in key positions cannot be expected to prepare students successfully for their professional roles. In order to assure a proper program as well as clinical instruction and supervision, each sponsoring institution must appoint a full-time program director and a full-time director of clinical education. It is imperative that these two full-time faculty members cooperate in ongoing program planning, evaluation, and supervision. These shall be two distinct individuals, and one faculty member shall not assume the total responsibilities of both positions. The program director shall have primary and final responsibility for the overall operation and quality of the program. The sponsoring institution shall also appoint a duly qualified physician to the position of medical director. Respiratory therapists are expected to function cooperatively with, and under the medical supervision *of, a physician. It is important that a physician functioning as medical director participate in all phases of program operation. This active participation is required so that the adequacy of training providing comprehension and performance in clinical situations can be evaluated by a physician knowledgeable and experienced in clinical respiratory therapy.*

B. **Program Director**

1. Qualifications
   a. The program director shall be a registered respiratory therapist with at least four years full-time experience in respiratory therapy of which two years shall be experience on the faculty of a respiratory therapy program accredited by the Committee on Allied Health Education and Accreditation. A baccalaureate or graduate degree in education shall be accepted in lieu of the two years of experience on the faculty of a respiratory therapy program or a duly qualified, licensed physician, specializing in respiratory care, whose primary professional committment is to the program and who has a minimum of two years of experience on the faculty of a medical school, school of osteopathy, or school of respiratory therapy.

It is generally accepted that the key faculty in any type of professional program should possess the same or higher level of education and/or professional credential as that for which students in the program are being prepared. As members of a clinically oriented profession, key faculty should also be required to have reasonable experience and demonstrate professional competence. It is, in part, for these reasons that the program director shall be a duly registered therapist with at least four years' experience in professional practice following either the completion of the director's respiratory therapy education or satisfactory completion of the registry process when applicable. Frequently it has been shown that the appointment of program directors with no prior experience or training in the educational process proves less than successful in the development and operation of formal educational programs. In order to alleviate this potential problem and its adverse effects on students, program directors must have at least two years of the required four years professional experience on the faculty of a CAHEA-accredited program. Those with a baccalureate or higher degree in education may apply that degree in lieu of prior experience in a CAHEA accredited program.

"Full time" is to be interpreted as no less than 21 hours per week in clinical practice or in an academic setting as defined by the educational institutions. Under special circumstances a duly licensed physician whose principal medical practice is in respiratory therapy may assume the position of program director. As program director, however, the physician must commit the majority of time and professional effort to the supervision of the respiratory therapy program. While this does not prohibit the physician from continuing in medical practice, the physician will be expected to commit at least 80% of the normal work week to the respiratory therapy program. In those instances where a physician serves as program director, the program must still appoint a medical director to assist the program director. A physician as program director must also demonstrate prior educational experience of at least two years as the member of the faculty of a medical school or school of osteopathy or as an active member of the faculty of a CAHEA accredited respiratory therapy program.

2. Responsibilities
   a. In addition to other assigned responsibilities, the program director shall be responsible for the organization, administration, periodic review, continued development, and effectiveness of the educational program. In this activity, the program director shall cooperate and collaborate fully with the medical director and director of clinical education.

The program director must assume ultimate responsibility for both the didactic and clinical phase of the program. Although the director of clinical education should be delegated specific responsibilities, it is the program director's responsibility that all phases of the program are appropriate and successful in meeting program goals and objectives. The program director shall actively seek out and require the cooperative involvement of the director of clinical education and the medical director.

   b. In cooperation with the director of clinical education and medical director, the program director shall ensure that the non-clinical units of instruction are properly coordinated and that all students receive didactic and laboratory training and instruction, which provides adequate background for entry into clinical work.

It is necessary that all non-clinical required and elective courses adequately prepare students for the clinical periods of instruction. In this regard the program director, following appropriate review and evaluation, shall be responsible for determining that all students are properly prepared in both theory and laboratory practice for all phases of clinical practice to be encountered prior to their entry into the clinical area.

   c. The program director shall be responsible for ensuring that appropriate evaluation instruments are developed and that appropriate academic records on all students in the program are maintained.

The program director, by definition, must supervise the development of an appropriate mechanism to evaluate the students and program. Such evaluation must be applied regularly and must encompass all phases of the program, both didactic and clinical. The mechanism of evaluation should itself be evaluated at appropriate intervals.

C. **Director of Clinical Education**

1. Qualifications
   a. The director of clinical education shall be a registered respiratory therapist or a certified respiratory therapy tehcnician with at least four years full-time experience in respiratory therapy of which at least two shall be experience on the faculty of a respiratory therapy program accredited by the Committee on Allied Health Education and Accreditation. A baccalaureate or graduate degree in education shall be accepted in lieu of two years of experience on the faculty of a respiratory therapy program.

The director of clinical education must assume major responsibility for the content and quality of the clinical phases of the program. Due to the importance of this key faculty member he/she must be either a registered respiratory therapist or a certified respiratory therapy technician. In either case, the director of clinical education must have the same general background as the program director.

   b. In any program sponsored by the educational institution, the director of clinical education shall be a member of the sponsoring educational institution's faculty with the rights and privileges ordinarily granted to regular faculty members in the institution.

The director of clinical education is critical to proper program operation and as a consequence, he or she shall have all the rights, privileges, and obligations granted to any other regular faculty members, including voice and vote on all issues as is consistent with the policies of the sponsoring institution.

   c. The director of clinical education shall have a respiratory staff appointment in all clinical affiliates. Where local hospital regulations or collective bargaining agreements do not permit a formal staff appointment, the clinical affiliate shall grant some form of courtesy appointment to the director of clinical education to enable him/her to observe, assist, and supervise the students during their clinical learning experience.

It is unreasonable to expect the director of clinical education to fulfill his/her responsibilities unless he/she has access to the appropriate clinical areas of all affiliated hospitals. The director of clinical education must have therapist staff privileges within the appropriate departments of all affiliates in order to perform the instructional and evaluative functions of this program.

2. Responsibilities
    a. In cooperation with the program director and the medical director, the director of clinical education shall ensure that instruction in the clinical affiliates is properly coordinated and that all students receive adequate medical and technical instruction, exposure, and experience.

The director of clinical education shall have primary responsibility for the coordination of all clinical affiliates and for the content, quality, and evaluation of the clinical phases of the program. The director of clinical education must seek out and cooperate with each affiliate in order to guarantee that the clinical experience and instruction of students is meaningful and parallels in content and concept the material presented in didactic and laboratory sessions prior to the students' entry into the clinical setting. The director of clinical education shall develop rotation schedules that provide for equal and equable clinical exposure of all students regardless of the institutions through which they may rotate. He/she will need the help of the medical director in all medical aspects of his/her responsibility, and the help of the academic institution staff specialists in educational matters.

b. The director of clinical education shall supervise and coordinate the instructors in the clinical affiliates and shall periodically evaluate the quality, contribution, and appropriateness of all clinical faculty and others participating in clinical instruction.

The director of clinical education will also coordinate the instructional and supervisory responsibilities of all clinical instructors, and routinely evaluate in writing the effectiveness and appropriateness of clinical instructors and all others who may regularly participate in student clinical instruction. He/she will need the cooperation of the medical director in evaluating other physician instructors and providing medical input during clinical rotations.

c. The director of clinical education shall develop and maintain performance and proficiency records on all students during the clinical phase of their education.

The director of clinical education shall be responsible for the design and implementation of all appropriate clinical performance and proficiency records maintained individually on each student. Such records should identify students' strengths and weaknesses and assist the director of clinical education and the clinical faculty in the development of special reinforcement or remedial sessions for students who may require them. It is recommended that the students maintain a log to indicate the procedures carried out and the clinical situations observed.

D. Medical Director

1. Qualifications
    a. The medical director shall be a duly licensed physician who has recognized qualifications, by training and experience, in the management of respiratory diseases and in respiratory therapy procedures.

The medical director is expected to play a pivotal role in the design, development and implementation of all courses relating to respiratory physiology and respiratory disease. This important role, as well as that of evaluating the appropriateness of nonclinical courses, requires that he/she be not only a duly licensed physician but that he/she have attained competence through experience and training in the diagnosis and treatment of respiratory disease as well as an understanding of the objectives and application of all respiratory therapy procedures. Those lacking such training and experience cannot provide the required guidance in the development or appropriate evaluation of didactic and clinical courses.

b. In any program sponsored by an educational institution, the medical director shall be an active member of the sponsoring educational institution's faculty wherever such appointments are not prohibited by state law or college charter.

The JRCRTE is aware that local statutes or collective bargaining agreements may make it impossible for the medical director to receive a regular appointment to the faculty of the sponsoring institution. Where this situation prevails the educational institution is encouraged to design and develop some mechanism whereby the medical director is permitted to participate freely in the educational and administrative activities of the sponsoring institution related to respiratory therapy.

c. The medical director shall have medical staff privileges in at least one of the primary clinical affiliates.

The medical director cannot function effectively unless he has access to patients of all types who receive respiratory care. For this reason the medical director must have staff privileges in one or more clinical affiliates. Ideally, the medical director of the program should be on the staff of one of the primary affiliates as the medical director of the respiratory therapy department or the director of one of the major diagnostic or therapeutic divisions, such as pulmonary function laboratory, intensive care unit, post-operative recovery room, etc.

2. Responsibilities
    a. The medical director shall participate in the program planning and evaluation of instruction for all aspects of respiratory therapy in cooperation and collaboration with the program director and the director of clinical education.

The medical director has ultimate responsibility for the medical quality of the program. He/she must be involved in decisions concerning selection, course planning and evaluation so that emphasis appropriate to preparation for clinical practice of respiratory therapy is maintained. This planning and evaluation of the program should be a cooperative effort with the other full-time and part-time faculty.

b. The medical director shall participate actively in the didactic and clinical teaching of students.

The medical director, by accepting the position, makes a personal commitment to participate actively in the academic and clinical phases of the program. This means that the medical director must personally teach students and that this teacning activity must be designed for the specific benefit of the respiratory therapy students. Assignment to "sit in on meetings" or "participate" on regular working rounds is recommended, but is not by itself considered adequate teaching on the part of the medical director. While it is difficult to specify the precise amount of participation which is considered sufficient, it is the strong recommendation of JRCRTE that the medical director meet with the students for at least one hour each week during the entire course of instruction. This hour may consist of a formal lecture, a bedside discussion, a seminar, a literature review, or any other similar educational activity which is designed for the respiratory therapy students exclusively and which is a regular part of each week's schedule. In addition the medical director should take responsibility for seeing that questions students may raise subsequent to attending conferences and meetings are answered by appropriate individuals.

c. In support of the director of clinical education, the medical director shall ensure that the medical directors of the affiliated respiratory therapy departments provide adequate medical input in all phases of clinical education.

Since it would be unreasonable to demand that the medical director personally spend at least one hour per week with students in all affiliated hospitals, it is the medical director's responsibility to make all necessary arrangements for such physician contact to take place in all affiliated hospitals. In cooperation with the director of clinical education and with the medical directors of the departments in the affiliated hospitals, the medical director of the program will assure that the students in each affiliated hospital have at least one hour of instruction each week from a physician in that particular health care facility.

d. The medical director shall participate in the instruction and evaluation of program faculty in both the educational institution and all clinical affiliates.

It is part of the medical director's responsibility to cooperate and collaborate with the program director, the director of clinical education, and the responsible administrators in the sponsoring institution in the continued instruction and evaluation of all personnel who participate actively in the program. The medical director will be particularly important in assisting the medical directors of respiratory therapy and other physicians in becoming useful contributors to the education of the respiratory therapy students.

E. Instructional Staff

1. All faculty shall be qualified through academic preparation, experience, and appointment to instruct assigned subjects.

In relation to the academic, didactic phase of the program, it is assumed that the educational institution will make all possible efforts to assure that all courses are taught by faculty who meet the necessary educational and practical requirements of post-secondary educational institutions.

The requirements of a health related program frequently cannot be met by the faculty of the average educational institution. Properly qualified instructors in such fields as pharmacology and microbiology are rarely found on the faculty of two-year institutions. It is therefore important that qualified instructors in these fields be obtained on an individual course basis when necessary. Personnel in affiliating hospitals often will have the necessary capabilities.

2. The instructors responsible for all respiratory therapy courses shall be qualified, properly trained, and experienced in the subject matter areas assigned to them, and their qualifications shall be approved by the program director, medical director, and director of clinical education.

It is difficult to specify the educational background and experience which constitutes the minimum acceptable level for clinical instructors in respiratory therapy programs.

In general, clinical instructors should be at least at the level of training and experience for which the students are being trained. This means that if possible clinical instructors or graduates of an accredited program should be registered therapists or graduates of an accredited therapist program. While this is desirable, the JRCRTE recognizes that in a clinical setting, experience and skill can be attained without formal education. In fact, sound experience and a true commitment to the program and its students are an entirely acceptable qualification and may develop an excellent instructor.

It is the responsibility of the program director, medical director and director of clinical education to select, test and approve the entire clinical instructional staff.

It is the intent of this section to encourage the program administrators to select carefully the best instructors for each phase of clinical instruction.

3. Educational institutions shall demonstrate that they have adequate means to ensure proper on-going instruction of the program faculty in curriculum design and teaching techniques. In addition, all persons holding full-time teaching positions shall participate in continuing education in their area of specialization.

In order to stay current in a rapidly changing field, it is absolutely essential that the instructors remain well informed of the changes and advances in the field. They can do this only if the educational institution is prepared to facilitate and encourage continuing education and continuing self-improvement on the part of the faculty. The faculty of the program, both didactic and clinical, must be given an opportunity to participate in local, regional, and/or national educational programs and be given time and support for so doing. A faculty member who is unwilling to participate in such continuing education activity rapidly loses his or her awareness of the advances in the field and becomes less effective as a teacher. Attendance at local or regional conferences is valuable and the development of such educational programs should be encouraged.

F. Change of Key Personnel

1. Whenever the program director, medical director, or director of clinical education submits a formal resignation or ceases to function in the position, the Joint Review Committee for Respiratory Therapy Education shall be notified in writing, by certified mail, within ten working days.

The presence of the program director, medical director, and director of clinical education is critical for the effective functioning of the program. For this reason the JRCRTE must be notified immediately when one of these positions becomes vacant for whatever reason. Ten working days (two weeks) should provide adequate time to notify the JRCRTE by certified mail of such a vacancy.

2. When a replacement has been appointed, a copy of the letter of acceptance shall be submitted to the Joint Review Committee for Respiratory Therapy Education, by certified mail, within ten working days of the replacement assuming the position. A curriculum vitae of the replacement shall be submitted to the Joint Review Committee for Respiratory Therapy Education, giving details of training and experience in the field and extent of involvement of the program. If the qualifications of the replacement are acceptable, program accreditation will continue.

It is the responsibility of the JRCRTE to assure that each program has the necessary personnel. The minimum is a program director, medical director and director of clinical education. For this reason every appointee for one of these positions must meet the qualifications laid down for these positions and the JRCRTE must be made aware of the name and qualifications of the appointee. This information must be submitted within ten working days (two weeks).

If the qualifications are acceptable the JRCRTE will amend its records accordingly and accreditation will continue. Should the new appointee not meet the minimum requirements for the position as stated in these Essentials, *the program will be notified immediately by the chairman or executive director of the JRCRTE.*

3. Failure to have any vacated positions filled, either temporarily or permanently within thirty working days during the academic year shall be cause for withdrawal of accreditation.

The presence of critical personnel is an absolute requirement for the effective operation of a program. For this reason JRCRTE believes that a vacancy in any one of the three major positions lasting longer that thirty working days (six weeks) during the academic year would deprive the students of an important educational experience. For this reason, unwillingness or inability to fill a position during this period of time will *lead to a withdrawal of accreditation. JRCRTE is aware of the relative scarcity of fully qualified available personnel of clinical education in a relatively short period of time. The JRCRTE is willing, therefore, to accept notification of temporary appointments to fill a vacancy in one of these positions until a permanent appointment can be made.*

In the case of temporary appointments, the JRCRTE may waive some of the required qualifications for the position, provided that the program makes all reasonable efforts to fill the position permanently and that no new class of instruction is initiated unless the vacant position is filled permanently by a qualified person.

G. Advisory Committee

1. An advisory committee shall be appointed by the chief administrative officer of the institution sponsoring the program.

Advisory committees are a relatively new concept in higher education. Some programs look at them with some suspicion since they are not provided for in traditional academic procedure. A well organized, active advisory committee is an important force in evaluating, balancing, and reconciling the diverse interests of the governing board of the educational institution, the institutional administrations, the respiratory therapy faculty, the hospitals, the students, and the community which must finance the education and expects to benefit from the product of the program.

It is for this reason that the Essentials *require the active and vigorous participation of a well balanced advisory committee in the affairs of every program in respiratory therapy education.*

Since the advisory committee is advisory primarily to the president and executive officers of the sponsoring institution, the JRCRTE feels that the right to appoint the members of this committee should properly be vested in the chief executive officer of the sponsoring educational institution from a panel of candidates prepared by the program director.

2. The committee shall assist in the continuing development and evaluation of the program, in faculty appointment and coordination, and in the development of effective clinical relationships.

This Essential *is self-explanatory and needs no amplification except that the functions of the committee need not be limited to those listed above.*

3. The advisory committee shall have representation from each primary and secondary clinical affiliate. The committee shall have two concerned health professionals not associated with the program and at least one non-health professional member who is not associated with the sponsoring institution or any clinical affiliate and who shall represent the public at large.

The composition of the committee is important if the committee is expected to function effectively. The temptation to load the committee with program faculty is considerable and must be resisted. Ideally, the committee should have one representative from each affiliated institution, two health professionals who are not affiliated with the program and at least one non-health professional who is not affiliated with the sponsoring organization or any of its affiliated hospitals. In addition, it is strongly recommended that wherever this is not specifically prohibited, a student member is required to make a report at each meeting. The meeting of the committee should be attended by a senior executive officer of the sponsoring organization and by the program director, medical director, and director of clinical education who may or may not be voting members of the advisory committee. The committee should elect its own chairperson, set its own rules and regulations and appoint a secretary.

4. The advisory committee shall meet at least three times each year, and minutes of all meetings shall be taken and maintained.

All minutes of the advisory committee meetings shall be available for inspection by the site visitors at the time of the accreditation or reaccreditation site visit.

VI. STUDENTS

A. Selection

1. All federal and state non-discrimination laws shall be rigidly observed.

The committee strongly urges all sponsoring institutions to encourage recruitment of properly qualified minority students.

2. Selection of students shall be made in accordance with the generally accepted practice of the educational institution as related to health science students.

The JRCRTE cannot dictate the methods and practice of admission to an accredited educational institution. It can and does insist, however, that a policy for admission to the health science programs be developed by the educational institution and that the requirements for entry into these programs be clearly defined.

It is the strong recommendation of the JRCRTE that the requirements for entry into the respiratory therapy program be more stringent than the general admission policies of the educational institution. The "open door" policy is an admirable concept which must be strongly supported in general terms. The requirements of a health profession are so stringent, the time alloted for the educational activity is so short, and the process so expensive that the JRCRTE considers it advisable to have educational prerequisites for admission to the respiratory therapy program. It has been the experience of most respiratory therapy educators that a course in high school algebra and high school chemistry enhances the liklihood of successful completion for the portion of the curriculum.

General college aptitude tests, personal interviews, letters of recommendation, etc. may be used at the discretion of the educational institution.

3. In hospital-sponsored programs, a selection of students shall be made by a formally appointed admissions committee which shall include the program director, medical director, director of clinical education, and a representative of the sponsoring hospital's administrative staff.

In programs sponsored by a hospital there shall be a formally appointed admissions committee. It is urged that in addition to the members listed in this Essential, *a representative of the affiliating educational institution be appointed to serve on this admission committee.*

4. Appropriate admission data shall be on file at all times at the sponsoring institution and shall be accessible to the applicant.

Documentation for both accepted and rejected students shall be maintained in accordance with state laws, local regulations and standard practices.

5. Candidates for all programs shall be graduates of an accredited high school or college or shall have successfully completed the standard high school equivalency examination. In exceptional circumstances, students may enter a program prior to graduation from high school but must have a high school diploma prior to graduation from the respiratory therapy program.

In recent years a number of high schools have initiated vocational programs in the area of health careers. The JRCRTE looks with favor on this trend but has serious concern about the lack of judgment and maturity which may be exhibited in critical patient care situations by students younger than the usual age of graduation from high school. It is for this reason that the successful completion of a high school curriculum or its equivalent is required for entry into a postsecondary educational institution sponsoring a respiratory therapy program.

B. Health

1. Applicants shall be required to submit evidence that

they are physically fit to perform the duties and assume the responsibilities of the profession.

The JRCRTE is concerned that the students entering the emotionally and physically demanding profession of respiratory therapy are fit for this career. Emotional assessment is extremely difficult, not impossible, and JRCRTE relies on the good judgment and experience of admission counselors in the sponsoring institutions to advise applicants and admission committees appropriately.

As far as the physically handicapped are concerned, JRCRTE urges that within the obvious limitations, applicants with physical handicaps be given every consideration for admission to the program.

2. The sponsoring institution shall develop policy to ensure the provision of medical care for the students' health problems arising during the course of the clinical program.

The health care of students in respiratory therapy technician programs should be a serious concern to both the sponsoring institution and the clinical affiliates. The JRCRTE must insist that every program develop some mechanism so that students may avail themselves of adequate health care protection at reasonable group rates. During the clinical phase of instruction, students must receive the same type and quality emergency medical care that is provided to regular employees of that particular health care facility.

C. **Number**

1. The number of students enrolled in each class shall be commensurate with effective learning and teaching practices and shall also be consistent with an appropriate student/instructor ratio for respiratory therapy training. Programs having more than twenty students enrolled shall have at least two full-time faculty members plus one additional full-time equivalent faculty member. In the clinical phase of the program there shall be at least one clinical instructor available for every five students.

This section of the Essentials *is one of the most difficult ones to interpret accurately. The JRCRTE is naturally reluctant to set specific numerical requirements or limitations on the total number of students or on the student-instructor ratios since the optimal number or the ideal ratio is subject to considerable variations and depends largely on such factors as the quality of students and instructors, the subject matter under consideration, and the availability and quality of clinical material and equipment. Nevertheless, and in order to assure a satisfactory number of students and a minimum acceptable student-instructor ratio, JRCRTE now requires that any program having more than twenty students in the program at any one time must have at least two full-time faculty members whose entire professional activity is devoted to the program. In addition, there must be one additional full-time equivalent faculty member in the program. JRCRTE recommends that this additional academic full-time equivalent be composed of not more than two half-time appointees whose primary responsibility is instruction in respiratory therapy professional courses.*

In the clinical phase of the program the minimum requirement is one clinical instructor for every group of five, or fewer students who are assigned to an affiliated hospital at any one time. This means that if five or fewer students are on clinical rotation in a health care facility at one time, there must be a clinical instructor available on the premises at all times when the students are present. If there are six to ten students, there must be two clinical instructors available and present in the clinical facility, etc.

The JRCRTE believes that this ratio is necessary in a clinical setting to assure proper instruction, supervision and evaluation of the students, while maintaining adequate patient care. It does not imply, however, that a ratio of five to one is the ideal for all clinical situations and strongly urges that certain learning situations, such as acute respiratory care, pulmonary function studies, blood gas determinations and all first introductory instruction of new procedures and techniques, be done on a one to one or one to two basis.

The total number of students admitted into any one class must be in proportion to the number of students that can be accomodated in the clinical affiliates.

D. **Counseling**

Student guidance and counseling services shall be available.

Health care students have many personal and professional problems which require expert guidance and counseling. It is strongly recommended that the educational institution designate one or more professionally qualified counselors to serve the students in the health career programs of the institution. These counselors should become thoroughly familiar with the content of the respiratory therapy program and with the special problems generated by the stresses of patient care.

VII. RECORDS

The following records shall be maintained by the sponsoring institution.

A. Proof of prior education or experience.
B. Application and admission data.
C. Sample copies of all course examinations given and the grades obtained by the students.
D. Clinical experience and proficiency records.
E. Instructor evaluations of all students in both didactic and clinical phases of their education, signed by the instructor and the student.
F. A copy of the complete curriculum.
G. Copies of course outlines and class schedules.
H. Educational and behavioral objectives for all courses and clinical rotations.
I. Evidence of periodic evaluation of instructors, courses and program objectives.
J. Minutes of advisory committee meetings.

Each affiliated respiratory therapy department and special laboratory used in clinical instruction shall maintain weekly, monthly, and annual reports of staffing and activities.

Good records are the hallmark of a good program. The JRCRTE wishes to draw particular attention to subsections G, H, and I. Modern educational practices require that both instructors and students be thoroughly familiar with the educational and behavioral objectives of the entire program and each of its component courses. Course outlines, in as much detail as practical and revised at regular intervals, are essential for good teaching. The same holds true for written and updated objectives.

At the time of the initial and periodic reaccreditation site visit, documentation will be required to prove compliance with these Essentials.

VIII. CURRICULUM

A. The minimum length of the educational program for the training of respiratory technicians shall be no less than ten calendar months.

The JRCRTE requires a minimum of 10 calendar months for completion of the respiratory technician program. This shall not be construed as an optimal or maximal requirement. The purpose of an educational program is to prepare the students for their chosen career. JRCRTE believes that this can not be done satisfactorily in less than 10 months.

If the educational institution believes that it can best accomplish its purpose in the framework of a standard four-year college course leading to a baccalaureate degree, it is encouraged to design such a program. Baccalaureate programs designed to produce a better educated and more highly trained respiratory therapy technician and to provide the students with *an opportunity for some selective specializations, are favored by JRCRTE. The JRCRTE is prepared to assist educational institutions in such development.*

B. Instruction in all programs shall follow a planned outline. There shall be a group of didactic courses accompanied or followed by a series of structured clinical experiences. There shall be sufficient laboratory courses and exposure to thoroughly familiarize all students with respiratory therapy equipment prior to entry into the clinical phase of the program.

The following general outline of instruction includes only the absolute minimum requirements and does not include courses in the arts, humanities, or social sciences which may be required by state law or be offered as electives:

1. Basic units of instruction
    - a. General sciences to include chemistry, physics, and mathematics
    - b. General anatomy and physiology
    - c. Cardiopulmonary-renal anatomy and physiology
    - d. Microbiology
    - e. Pharmacology
    - f. Clinical topics
        1. General medicine and medical subspecialties
        2. Cardiovascular diseases
        3. Diseases of the respiratory system and disorders of breathing
        4. General surgery and surgical subspecialties
        5. Pediatrics (including perinatology)
        6. Anesthesiology
        7. Patient psychology and communication
2. Respiratory therapy units of instruction
    - a. Gas therapy
    - b. Humidity therapy
    - c. Aerosol therapy
    - d. Airway management
    - e. Mechanical ventilation therapy
    - f. Blood gas analysis and interpretation
    - g. Cardiopulmonary resuscitation
    - h. Chest physiotherapy
    - i. General patient care (i.e. nursing principles)
    - j. Cardiovascular evaluation and testing
    - k. Pulmonary function testing
    - l. Pulmonary rehabilitation and home care
    - m. Organization and administration of respiratory therapy departments
    - n. Ethics of respiratory therapy and medical care

The basic units of instruction and the respiratory units of instruction are only headings which indicate the general areas in which specific instruction and/or laboratory and clinical experience must be provided for all students. The content of courses and the time devoted to each can not and should not be specified and defined by the Essentials. *These should be determined by most careful deliberation of each individual educational institution and its faculty. It is their responsibility to stay at the leading edge of respiratory therapy education and to design and to modify each and every course every year so that it encompasses current concepts and recent advances in respiratory care and education. To accomplish this the faculty must constantly incorporate new knowledge into their courses of instruction and translate them into clinical practice.*

It is strongly recommended that all instructors in respiratory therapy programs participate at least biannually in the written examination offered by the NBRT and in all self-evaluation examinations offered by the AART. Attendance at continuing education courses has already been alluded to in these guidelines as being of great value.

While it is the stated policy of JRCRTE that course contents and instructional objectives must remain the unquestioned prerogative of the sponsoring educational institutions, the committee wishes to offer the following suggestions to assist the programs in the development of sound and appropriate courses.

Since respiratory therapy technicians are generally expected to work under the supervision of respiratory therapists, the level of instruction provided for them should be similar but less intensive than that provided for respiratory therapist students.

Basic Units of Instruction: These courses must encompass discussion of the general subjects and must combine both didactic instruction and structured laboratory experiences. The base of all courses must be broad and the content must review the respective areas in their entirety beyond the specific particular requirements of clinical respiratory therapy. The student must understand the basic sciences and how basic principles relate to the clinical applications of the specialty. A general overview of mathematical principles, biological sciences, pathology, microbiology, clinical medicine, and therapeutics must be accompanied by special study of cardiopulmonary and renal anatomy, physiology, pathology, clinical management and therapeutics.

Respiratory Therapy Units: These areas are the technical portions of the field of respiratory therapy. The student must be brought to a high level of understanding and competence. This cannot be done unless the courses in these units offer a judicious mixture of instruction in the mechanical, physiological and clinical principles involved and offer an extensive opportunity to obtain knowledge and skill in a well equipped laboratory where the students have the opportunity to use, evaluate, and maintain the various types of equipment used in respiratory care.

Clinical Instruction: The JRCRTE, based on most recent experience, concludes that a program of clinical instruction cannot assure clinical competence in modern respiratory therapy unless at least 800 hours of structured patient contact are provided.

C. **Advanced standing**

All educational programs shall consider granting advanced standing to qualified applicants for such standing, and records of such consideration shall be available. If a program grants advanced standing, this shall be done on the basis of transferable credit, equivalency examinations, or developmental experiences, where appropriate. In all cases of advanced standing, appropriate assessments and documentation shall be made a part of student record.

A description of the methods whereby advanced standing is granted shall be available to applicants, and all given an opportunity to obtain such advanced standing provided there are positions available in the class for which the applicant may qualify.

The certificate or diploma granted by the program shall be the same for all students regardless of whether advanced standing has been granted or not.

The JRCRTE does not have the authority to require the educational institutions to grant advanced standing, but it is committed to this concept and encourages the granting of such advanced standing with all possible vigor.

D. **Catalog**

An official publication, including a description of the curriculum, shall be issued at least biennially. It shall include information regarding the organization of the program, a brief description of the required courses, names and academic ranks of faculty, entrance requirements, tuition expenses associated with clinical education requirements, fees, and information concerning hospitals and facilities used for directed clinical experience. The catalog shall indicate if advanced standing is granted.

The catalog must be a formal, printed publication issued at regular intervals which includes all instructional courses offered by the sponsoring educational institution. The description *of all courses must be such that students should be able to intelligently select such elective courses which would be of interest to them and which would best complement the courses required for graduation from the program.*

In hospital sponsored respiratory therapy technician programs, a printed or typed brochure is acceptable in lieu of a formal catalog. This brochure shall contain the same general information as a catalog. It must include a description of the program, affiliation with a postsecondary educational institution and any other pertinent information necessary for the prospective students to gain reasonably complete information about all phases of the program.

ADMINISTRATION OF ACCREDITATION

The following procedural requirements are not part of the *Essentials of an Accredited Educational Program for the Respiratory Therapy Technician*, but represent the procedures which will be followed in the implementation of the above *Essentials.*

A. **Accreditation**

1. The initial evaluation of the educational program, including an on-site survey, shall only be initiated by the express invitation of the chief administrator of the sponsoring institution or his officially designated representative.

Accreditation is a voluntary process which must be initiated by the educational institution sponsoring the program. The purpose of the accreditation process is to assure high quality of education. National credentialing agencies may require graduation from a CAHEA-accredited program for admission to their credentialing process. The first step of the accrediting process following application by the sponsoring educational institution is the issuance of a "Letter of Support." A "Letter of Support" is issued by JRCRTE upon receipt and review by the JRCRTE of a complete and satisfactory application from a program. The "Letter of Support" is valid for one year during which time an on-site visit will be held, but does not in itself constitute accreditation. Students who graduate from a program prior to it's being granted a "Letter of Support" will not be considered graduates from an accredited program. Following the initial on-site survey and discussion of the visitors' report the JRCRTE may recommend full accreditation status, accreditation with qualifications, or non-accreditation. These recommendations are made to the Committee on Allied Health Education and Accreditation, which is the accrediting agency recognized for respiratory therapy programs by the United States Office of Education. The qualifications, if any, will be listed and the program will be given a specified period of time to correct the deficiencies. If the deficiencies are corrected in the specified period of time, full accreditation will be granted upon review by the JRCRTE.

Periodic reevaluations will be held at which time full accreditation, accreditation with qualifications or probationary accreditation may be granted.

2. The accrediting agency shall have the right to initiate an unannounced on-site evaluation in the event that a meritorious complaint indicates failure on the part of the program to substantially comply with the *Essentials.*

The present schedule calls for evaluation only every five years. If serious or repeated complaints are received in writing about a program, the JRCRTE believes that it may be necessary to perform an on-site evaluation to assess the validity of the complaint(s) received. The JRCRTE would not live up to its responsibilities to the students if it did not use its authority to investigate complaints it deems to be ligitimate.

3. The institution sponsoring the respiratory therapy education program shall be responsible for the timely payment of all fees authorized by the Committee on Allied Health Education and Accreditation.

The JRCRTE must support the major portion of its activities through fees paid by the sponsors of educational programs. Fees assessed are authorized by CAHEA. Careful scrutiny is maintained to insure that the fees remain at the minimum level necessary to support committee functions directly related to accreditation.

B. **Withdrawal of Accreditation**

1. The institution may request that it be removed from the list of accredited programs at any time. Such a request must be in writing and must be signed by the responsible administrative officer of the sponsoring institution.

The sponsoring institution may request, for compelling reasons, that its program be removed from the list of accredited programs. Such requests must be made formally to CAHEA giving the reasons for the request, and must be signed by a responsible administrative officer of the sponsoring institution. Full information on how the rights of the students are being protected must also be provided.

2. The Committee on Allied Health Education and Accreditation shall withdraw accreditation whenever
   a. The educational program is not maintained in accordance with the *Essentials* outlined above

Any violation of the Essentials *which is not corrected in a reasonable time will result in a recommendation for withdrawal of accreditation.*

   b. A key person leaving the program is not replaced (see V F 3)
   c. There are no students in the program for two consecutive years.

If a program for whatever reason fails to admit students for two consecutive academic years, it will automatically be considered to have lost its accreditation status. Should the sponsoring organization wish to reactivate the program, a new application will be required.

   d. The institution refuses to permit an on-site evaluation of the program within one year after a request is made by the Joint Review Committee for Respiratory Therapy Education

Except as indicated in Section IX, A, 2 of these Essentials *the sponsoring educational institution has the prerogative of arranging the time of on-site evaluation at its convenience and at a time when students are available for interview by the on-site evaluation team. Nevertheless this prerogative of the sponsor cannot be permitted to delay on-site evaluation indefinitely. For this reason refusal to permit on-site evaluation within one calendar year from the time the request for such a visit is made by the JRCRTE is deemed a valid and sufficient reason to withhold or withdraw accreditation.*

   e. Authorized fees are not paid within 30 days following receipt of notification by certified mail that said fees are past due

The JRCRTE cannot function properly and cannot meet its obligations to the programs and their students unless it has the financial resources to do so. These resources are derived primarily from the application fees and annual fees paid by all programs. Statement of fees will be issued by the JRCRTE on or about the first of January of each year and payments will become due on or before the first of April of the same year. Programs which have not remitted their payments by that date will be given a second notice by certified mail. Probationary status will be recommended if payments are not made within 30 *days of receipt of the second notice unless the program formally requests an extension stating acceptable reasons for the delay.*

3. Accreditation will be withdrawn only after advanced notice has been given to the institution that such action is contemplated, and the reasons thereof. Sufficient time shall be provided to permit the opportunity for response and correction of identified deficiencies.

Any program having gained accreditation cannot have its accreditation withdrawn without proper notification. This notification granting probationary status has to be in writing, sent by certified mail and has to give a deadline by which accreditation will be withdrawn unless the cause for probation is corrected. Probation may be as short as 30 days for nonpayment of dues or as long as twelve months for the correction of an academic deficiency. Probationary status will not be extended past the twelve month deadline except under extraordinary circumstances.

4. Appeal
   Decisions to withhold or withdraw accreditation may be appealed to the Committee on Allied Health Education and Accreditation. The procedures established by the Committee on Allied Health Education and Accreditation which are in effect at the time of the appeal shall apply.

Due process in all decisions to withhold or withdraw accreditation will be observed, and CAHEA procedures at the time of the appeal will be observed.

C. **Reports**
An Annual Report shall be made to the accrediting agency. This report shall cover the previous academic year and shall be filed on a standard report form at a time designated by Committee on Allied Health Education and Accreditation.

Each program will be required to submit a report annually to the Department of Allied Health Evaluation of the AMA. This report supplied on a standard form, will request statistical data concerning students, faculty and other such information as the Committee on Allied Health Education and Accreditation may from time to time require. Return of a completed form is part of the basis for annual renewal of accreditation.

D. **Resurvey**
The accrediting agency shall institute periodic on-site visits to the respiratory therapy educational program for consultation and reevaluation.

In order to satisfy the requirements of sound and continued quality assurance, the JRCRTE will require that all sponsoring educational institutions prepare and submit self-evaluation documents and permit on-site reevaluation visits at stated intervals. When the annual reports required in Section IX.C above are satisfactory and no complaints requiring investigation are received, such resurveys will be conducted approximately every five years.

E. **Renewal of accreditation**
Renewal of accreditation shall be dependent upon conformity with all requirements stipulated in the *Essentials* and, in addition, on payment of current and lapsed accreditation fees.

The renewal of accreditation is granted automatically on an annual basis provided the annual report is filed, the annual fees are paid and none of the reasons for withdrawing accreditation have arisen during the previous twelve months.

Essentials of an Accredited Educational Program for the Specialist in Blood Bank Technology

Initially adopted 1971; revised 1977
Adopted by the
AMERICAN ASSOCIATION OF BLOOD BANKS
AMERICAN MEDICAL ASSOCIATION

Program Review Committee
SUBCOMMITTEE ON ACCREDITATION

PREAMBLE

OBJECTIVE

The education and health professions cooperate in establishing and maintaining standards in educational programs for specialists in blood bank technology, and to provide recognition for educational programs which meet or exceed the minimal standards outlined in the *Essentials.*

These *Essentials* are to be used as a guide for the development and self-evaluation and accreditation of educational programs. Lists of Committee on Allied Health Education and Accreditation (CAHEA) accredited blood bank technology programs are published for the information of the employers and the public.

DESCRIPTION OF THE OCCUPATION

Students are educated to develop technical competencies in immunohematologic procedures; to function as supervisors, educators or technical consultants; and to work as part of the health care team in providing health services to the general public and specifically to patients.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs may be established in

A. Blood banks
B. Transfusion services

Affiliation may be developed with a university or college; this institution should be accredited by a regional accrediting agency or be otherwise acceptable to the Committee on Allied Health Education and Accreditation.

II. CLINICAL AFFILIATIONS

A. Didactic as well as practical instruction must be provided.

B. The clinical phase of the educational program must be conducted in a clinical setting and under competent clinical direction.

C. In programs where academic training and clinical experience are not provided in the same institution, accreditation shall be given to the institution responsible for the academic training, student selection and curriculum.

D. In the clinical teaching environment, an effective ratio of students to instructors shall be maintained. Once the approval has been given for a stated number of students, it shall not be exceeded without permission of the Committee on Education of the AABB and the Committee on Allied Health Education and Accreditation.

III. FACILITIES

A. **General**—Adequate classrooms, laboratories and administrative offices shall be provided.

B. **Laboratory**—There must be facilities, adequate in space, lighting and equipment, sufficient for teaching as well as service work.

C. **Library**—A library containing contemporary references, texts and scientific periodicals pertaining to blood bank technology must be readily accessible to the student.

IV. FINANCES

Financial resources for continued operation of the educational program shall be assured through regular budgets, gifts, or endowments, but not solely through student fees.

V. FACULTY

The instructional staff shall be qualified, through academic preparation and experience, to teach the subjects assigned. All instructors shall submit annually to the program advisory committee evidence of continuing educational activities relevant to their assigned subject. The program advisory committee chairman shall inform the medical director if instructors do not continue to be acceptable.

A. **Medical Director**—Must be a physician licensed to practice medicine in the location of the program and be qualified in blood banking.

B. **Coordinator of Education**—Must be certified as a specialist in blood bank technology and have experience acceptable to the AABB Committee on Education. In addition to other assigned responsibilites, the coordinator of the educational program shall be responsible to the medical director for the organization, administration, periodic review, continued development and general effectiveness of the program. The coordinator of education shall assure that the activities assigned to students while at an affiliated institution are, in fact, educational.

C. **Change of medical director or coordinator of education**—If the medical director or the coordinator of education of a program is changed, immediate notification must be sent to the Committee on Education. The curriculum vitae, giving details of training, education and experience in the field, must be submitted. The chairman, with the advise of at least two other members of the AABB Committee on Education, may recommend approval or disapproval to the Committee on Allied Health Education and Accreditation which will determine if the accreditation of the program will be continued.

D. **Instructional Staff**—There must be sufficient instructional staff in addition to the medical director and coordinator of education to provide a comprehensive and balanced educational program, both technical and academic.

VI. STUDENTS

A. **Selection**—Selection of students shall be made by an admission committee in cooperation with the medical director and coordinator of education. A transcript of academic credits and degrees or ASCP certification numbers (if a graduate of a school of medical technology) must be reviewed and evaluated by the AABB Committee on Education before admission to the program. Admission shall not be denied on the basis of sex, race, creed or national origin.

B. **Health**—Applicants shall be evaluated to determine that there is no evidence of ill health that would, 1. interfere with the completion of studies or 2. be exacerbated by the stress of the program.

C. **Number**—The number of students enrolled in each program shall not be more than that which will allow for effective teaching practice.

D. **Counseling**—Career guidance must be provided to the students.

VII. RECORDS

Satisfactory records shall be provided for all work accomplished by the student in the training program.

1. Records must be kept of the students' attendance and grades.
2. The medical record of the student must be retained.
3. A record of classroom and laboratory participation and accomplishment of each student shall be maintained and be made available to the student on request.

VIII. CURRICULUM

A. The minimal length of the educational program shall be 12 consecutive months, during which up to two weeks may be permitted for vacation or sick leave.

B. Instruction should follow a planned outline which includes:

1. Academic instruction sufficient to encompass all theoretical concepts of blood bank immunohematology.
2. Technical instruction such that the student will develop competency and proficiency in all fields that characterize a modern, full service blood bank, using methodology that conforms to "standards of blood bank and transfusion services" of the AABB; the sequence of instruction is discretionary.
3. Sufficient instruction in the clinical disciplines of medicine to enable the student appropriately to apply blood bank technical knowledge.
4. Examination and tests of didactic, medical and laboratory aspects of the program.

IX. SELF-STUDY

A. **Program Advisory Committee**—A program advisory committee shall assist the medical director and coordinator of education in the program development and evaluation, and in the selection of suitable instructional staff.

The advisory committee will conduct a continuing review of the program effectiveness and will make recommendations to the medical director of deficiencies noted and suggested remedial reaction.

B. **Documentation**—The advisory committee shall review the complete curriculum and instructional program, including detail of rotation of assignments, and incorporated this, together with a summary of instructional objectives, library facilities and multimedia instructional aids, as the basis of a self-study document.

The application/self-study document must be approved by the AABB Committee on Education before the program is started and thereafter prior to each reaccreditation. The self-study must be reviewed and revised by the program advisory committee at least annually. A copy of the self-study must be kept both by the institution and at the AABB central office.

X. ADMINISTRATION

A. **Description of Program**—A publication including a description of the curriculum must be issued to prospective students. It shall contain information regarding the organization of the program, a brief description of required courses, names and academic rank of faculty, entrance requirements, student remuneration, tuition and fees, and information concerning hospitals and facilities used for directed experience.

B. The evaluation (including survey team visits) of an institution or a program of study can be initiated only by the express invitation of the medical director of the sponsoring institution. Before a new program is accredited there will be an on-site inspection of the blood bank and its facilities by (an) inspector(s) appointed by the Committee on Education.

C. **Withdrawal**—The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action by the Committee on Allied Health Education and Accreditation. The Committee on Allied Health Education and Accreditation may withdraw accreditation whenever:

1. the educational program is not maintained in substantial compliance with the standards outlined herein, or
2. there are no students in the program for two consecutive years.

Accreditation is revoked only after notice has been given to the medical director of the program that such action is contemplated, and the reasons therefore, sufficient to permit timely response and the use of established procedures for appeal and review.

D. **Initial Survey or Reevaluation**

1. Before the Committee on Education of the AABB makes its accreditation recommendation to the Committee on Allied Health Education and Accreditation, the director of the program must receive a factual report of the survey team's findings and the Committee's proposed recommendation. In the event of an adverse recommendation, adequate time will be allowed for the director to submit written comments to the AABB Central Office. The comments will be forwarded to the Committee on Allied Health Education and Accreditation at the same time as the recommendation.
2. Appeal—Appeals to accreditation decisions may be made in writing to the Committee on Allied Health Education and Accreditation by the medical director of the program.

E. **Reports**—An annual report shall be sent to the Committee on Allied Health Education and Accreditation and the AABB Subcommittee on Accreditation. Report forms are provided and must be completed, signed by the medical director of the program, and returned promptly.

F. **Resurvey**—Educational programs will be resurveyed at least once before each reaccreditation.

XI. PROFESSIONAL STANDARDS

A. Programs must meet the professional standards listed in the Committee on Allied Health Education and Accreditation document "Fair Practices in Education."

APPLICATION AND INQUIRIES

A. **Accreditation**—Application for accreditation of a program must be directed through:
Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

B. **Careers**—Inquiries regarding career information should be addressed to:
Subcommittee on Accreditation
American Association of Blood Banks
1828 L St NW
Suite 608
Washington, DC 20036

C. **Registration/Certification**—Inquiries regarding registration or certification of qualified graduates of the accredited program should be addressed to:
American Association of Blood Banks
1828 L St NW
Suite 608
Washington, DC 20036

Essentials of an Accredited Educational Program for the Surgeon's Assistant

Initially adopted 1974
Adopted by the
AMERICAN COLLEGE OF SURGEONS
AMERICAN MEDICAL ASSOCIATION

Program Review Committee
JOINT REVIEW COMMITTEE ON EDUCATIONAL PROGRAMS FOR PHYSICIAN'S ASSISTANTS

PREAMBLE

OBJECTIVE

The education and health professions cooperate in this program to establish and maintain standards of appropriate quality for educational programs for surgeon's assistants and to provide recognition for educational programs which meet or exceed the minimal standards outlined in these *Essentials*.

These standards are to be used as a guide for the development and self-evaluation of programs for the training and education of surgeon's assistants. A list of these accredited programs is published for the information of employers and the public. Surgeon's assistants enrolled in the program are taught to work with and under the direction of physicians in providing health care services to patients.

DESCRIPTION OF THE OCCUPATION

The assistant to the surgeon should be a skilled person qualified by academic and clinical training to provide patient services under the supervision and responsibility of a surgeon who is in turn responsible for the performance of that assistant. The assistant may be involved with the patients of the surgeon in any medical setting for which the surgeon is responsible.

The function of the assistant to the surgeon is to perform, under the responsibility and supervision of the surgeon, diagnostic and therapeutic tasks in order to allow physicians to extend their services through the more effective use of their knowledge, skills and abilities. The assistant to the surgeon will not supplant the surgeon in the sphere of the decision making required to establish a diagnosis and plan of therapy, but may assist in gathering the data necessary to reach the decision and in implementing the therapeutic plan for the patient.

Intelligence, the ability to relate to people, a capacity for calm and reasoned judgment in meeting emergencies, and an orientation towards service are qualities essential for assistants to the surgeon. They must maintain respect for the person and for the privacy of the patient.

The tasks performed by the assistant will include transmission and execution of the surgeon's orders, performance of patient care tasks and performance of diagnostic and therapeutic procedures as may be delegated by the surgeon.

The ultimate role of the assistant to the surgeon cannot be rigidly defined because of the variations in practice requirements due to geographic, economic and sociologic factors. The high degree of responsibility assistants to the surgeon may assume requires that at the conclusion of their formal education they will possess the knowledge, skills and abilities necessary to provide those services appropriate to the surgical setting.

Surgeons' assistants may become highly trained and specialized in the areas in which their immediate supervisor has interest, i.e., thoracic or head and neck surgery, or they may remain in an area of surgery requiring a wide variety of procedures such as performed by general surgeons in a community hospital. The frequency of performance of certain duties will in part determine the degree of special expertise such individuals obtain in the care of patients. Since no one individual could participate in all the categories of work outlined, it is expected that a certain degree of limitation will occur.

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

Educational programs should be established in medical schools in relationship to a department of surgery, or in other surgical facilities acceptable to the American Medical Association and the American College of Surgeons, in order to provide optimal conditions for the clinical training of the surgeon's assistant.

II. CLINICAL AFFILIATIONS

A. The clinical phase of the educational program must be conducted in a clinical setting and under competent clinical direction.

B. In programs where the academic instruction and clinical teaching are not provided in the same institution, accreditation shall be given to the institution responsible for the academic preparation (student selection, curriculum, academic credit, etc.), and the educational administrators will be responsible for assuring that the activities assigned to students in the clinical setting are, in fact, educational.

C. In the clinical teaching environment, an appropriate ratio of students to physicians shall be maintained.

III. FACILITIES

A. **General**—Adequate classrooms, laboratories, and administrative offices should be provided.

B. **Laboratory**—Appropriate modern equipment and supplies for directed experience should be available in sufficient quantities for student participation.

C. **Library**—A library should be readily accessible and should contain an adequate supply of up-to-date scientific books, periodicals, and other reference materials related to the curriculum.

IV. FINANCES

A. Financial resources for continued operation of the educational program shall be assured through regular budgets.

B. The institution shall not charge excessive student fees.

C. Advertising must be appropriate to an educational institution.

D. The program shall not substitute students for paid personnel to conduct the work of the clinical facility.

V. FACULTY

A. **Program Director**

1. Qualifications—The director must be a licensed physician. Medical teaching experience is a desirable prerequisite.
2. Responsibilities—The director of the program should provide competent medical direction for all academic and clinical instruction and should further be responsible for the over-all effectiveness of the entire surgeon's assistant program.

B. **Change of Director**—If the director is changed, immediate notification should be sent to the AMA Department of Allied Health Evaluation. The curriculum vitae of the new director, giving details of education, training, and experience in the field, must be submitted, and, if the new director's credentials are in order, accreditation of the program will be continued.

C. **Instructional Staff**—The faculty should be qualified, through academic preparation and experience, to teach the subjects assigned. A planned program for their continuing education should be provided.

D. **Advisory Committee**—An advisory committee should be appointed to assist the director in continuing program development and evaluation, in faculty coordination, and in coordinating effective clinical relationships.

VI. STUDENTS

A. **Requirements for Selection**

1. Selection of students should be made by an admissions committee in cooperation with those responsible for the educational program. Admissions data should be maintained on file.
2. Selection procedures should include an analysis of previous performance and experience and may seek to accommodate candidates with a health related background and give due credit for the knowledge, skills and abilities they possess.
3. Candidates for admission must have completed two years of college or the equivalent. Courses in biology, physics, chemistry, algebra, and geometry are recommended. Education at the vocational or nursing level is helpful.

B. **Health**—Applicants shall be required to submit evidence of good health and successful vaccination. A student health service should be available for evaluation and maintenance of the student's health.

C. **Number**—The number of students enrolled in each class should be commensurate with the most effective learning and teaching practices and should also be consistent with acceptable student-teacher ratios.

D. **Counseling**—A student guidance and placement service should be available

VII. RECORDS

Satisfactory records should be kept on all work accomplished by the student in the training program. An annual report should be prepared on the general operation of the program.

A. **General Student Information**

1. Transcripts of high school and any college credits and other credentials must be available.
2. A report of the medical examination given upon admission should be retained. Records of subsequent illnesses and medical examinations, including chest x-rays, should also be kept on file, or readily accessible.

B. **Academic Training**

A record of the class and laboratory participation and accomplishment of each student during academic training should be maintained in accordance with the requirements of the institution.

C. **Clinical Work**

1. An effective method of evaluating individual student performance during clinical work sessions shall be utilized, and complete records of those evaluations shall be maintained.
2. Copies of practical and written examinations should be maintained and continually evaluated.

D. **Curriculum**

1. A copy of the complete curriculum should be kept on file.
2. Copies of class schedules, course outlines, and teaching plans should be on file and available for review.

VIII. CURRICULUM

A. The length of the educational program for the surgeon's assistant may vary from program to program; however, the suggested program involves one academic year each of preclinical and clinical work. The length of time an individual spends n the education program may vary on the basis of the student's background and in consideration of the previous education, experience, knowledge, and skills and the ability to perform the tasks, functions and duties implied in "Description of the Occupation."

B. Instruction should follow a planned outline which includes

1. Assignment of appropriate instructional materials
2. Classroom presentation, discussions, and demonstrations
3. Supervised practice sessions
4. Examinations, tests and quizzes—both oral and written—for both didactic and clinical aspects of the program.

C. **Curriculum Content.** An example of a suggested curriculum is as follows:

1. **Preclinical Curriculum**

Gross anatomy. An advanced study of the human body by means of dissection, lectures, demonstrations and prosections. Lecture and Lab.

Medical physiology. A study of human physiology, including the cell and general physiology; blood and immunity, heart and circulation, the body fluids and kidney, respiratory, gastrointestinal and metabolic systems, endocrinology and reproduction, and the central nervous system. Lecture.

Medical terminology. Lecture.

Introduction to medicine. A study of the pathophysiology, clinical manifestations, and therapeutic management of disorders affecting the respiratory tract, heart, blood and blood forming organs, endocrine system, genitourinary tract, nervous system, bones, joints and connective tissue, the common infectious diseases, and allergies.

Pharmacology. A study of the use and effects of drugs which act on the various body systems.

Anatomy of the nervous system.

Fundamentals of general surgery. A study of the pathophysiology, clinical manifestations, and therapeutic management of surgically related disorders of the peritoneum; alimentary tract; liver; pancreas; spleen; head and neck; endocrine glands; breasts; blood vessels; chest and lung; heart and great vessels; basic considerations in benign and malignant tumors; acute conditions in infants and children; fractures; and head injuries.

Medical history and physical examination. A study of the information to be obtained in the medical history and the technique of the physical examination, with clinical application.

Sterile technique and introduction to the operating room. Lecture; Clinical.

Principles of surgical patient care. A study of specific aspects of the care of the surgical patient, including wound healing and care of wounds, systemic response to injury, fluid and electrolyte balance, nutrition in surgery, shock and hemorrhage, surgical infections and their treatment, management of thermal injury, care of the surgical patient in the pre-, intra-, and post-operative period, and recognition and management of post-operative complications. Lecture.

Surgical care techniques. Instruction in the basic skills needed for care of the surgical patient, including subcutaneous and intramuscular injection, venipuncture, cutdown, gastro-intestinal intubation, urethral catheterization, cardiopulmonary resuscitation, and knot-tying.

Introduction to roentgenogram interpretation. A study of the chest roentgenogram, abdominal roentgenogram for signs of obstruction and pneumoperitoneum, roentgenographic evidence of fractures of the long bones.

Electrocardiogram recording technique and interpretation of arrhythmias.

Pulmonary function tests and inhalation therapy. A study of oxygen administration, humidity control, breathing exercises, postural drainage, percussion techniques, intermittent positive pressure breathing, management of ventilators, and bedside ventilation measurements.

2. **Clinical Curriculum**

Students are assigned to surgical services, preferably with a two-month rotation, with responsibility for taking histories and doing physical examinations, assisting in surgeries and carrying out pre-operative and post-operative care procedures as assigned by, and under the supervision of, the surgeon or the resident surgical staff. The student should have a rotation in the emergency department, to gain experience in the care of acutely injured patients.

D. A synopsis of the complete curriculum should be kept on file. This instructional program should include the rotation of assignments, the outline of the instruction supplied, and lists of multi-media instructional aids used to augment the experience of the student.

IX. ADMINISTRATION

A. **Catalog**—An official publication including a description of the curriculum should be issued. It should include information regarding the organization of the program, a brief description of required courses, entrance requirements, tuition and fees, and information concerning hospitals and facilities for clinical training.

B. **Accreditation**—The evaluation of an institution or a program of study can be initiated only by the express invitation of the chief administrator of the sponsoring institution or his officially designated representative. The evaluation shall be carried out through the cooperation of the Committee on Allied Health Education and Accreditation and the American College of Surgeons.

C. **Withdrawal**—The institution may withdraw its request for initial accreditation at any time (even after evaluation) prior to final action. The Committee on Allied Health Education and Accreditation and the American College of Surgeons may withdraw accreditation whenever

1. The educational program is not maintained in accordance with the standards outlined above, or
2. There are no students in the program for two consecutive years.

Accreditation is revoked only after advance notice has been given to the head of the institution that such action is contemplated, and the reasons therefore, sufficient to permit timely response and the use of established procedures for appeal and review.

D. **Reevaluation**

1. Review—The head of the institution being evaluated is given the opportunity to become acquainted with the factual part of the report prepared by the American College of Surgeons, and to comment on its accuracy before final action is taken.
2. Appeal—At the request of the head of the institution, a resurvey may be made. Accreditation decisions may be appealed by letter first to the American College of Surgeons and then to the Committee on Allied Health Education and Accreditation.

E. **Reports** An Annual Report should be made to the Committee on Allied Health Education and Accreditation. A report form is provided and should be completed, signed by the director, and returned promptly.

F. **Resurvey** The AMA and the American College of Surgeons will resurvey all educational programs at appropriate intervals.

APPLICATIONS AND INQUIRIES

Accreditation—Application for accreditation of a program should be made to:

Department of Allied Health Evaluation
American Medical Association
535 N Dearborn St
Chicago, IL 60610

APPENDIX B: CAHEA PROCEDURES FOR COLLABORATION AND ACCREDITATION

ENABLING RESOLUTION

COLLABORATION
- Statement of Basic Principles
- Procedures Governing Collaborative Relationships

ESSENTIALS
- Differentiation Between Guidelines and *Essentials*
- Recommended Standard Format for *Essentials*
- Mechanism for Adopting and Revising *Essentials* for Allied Health Programs
- Fair Practices in Education

REVIEW COMMITTEE-RELATED
- Policies and Procedures for Review Committees
- Classifications of Accreditation Actions
- Fees for Accreditation Services
- Procedure To Be Followed in the Event That an Accredited Program Is Not Responsive To Administrative Requirements
- Procedure for Non-Discriminatory Practices
- Procedure Statement on Jointly Sponsored Evaluation Surveys of Allied Health Educational Programs
- Letter of Review for Developing Programs

PROGRAM-RELATED
- Self-Analysis Requirements
- Policy Statement on Identification of Sponsoring Institutions
- Institutional Accreditation Requirements for Sponsoring Institutions
- Accreditation of Programs Outside Territorial USA
- Accreditation of Military Allied Health Programs by Service
- Experimental and Innovative Programs
- Procedures for Reconsideration of Accreditation Decisions of CAHEA to Withhold or Withdraw Accreditation
- Procedure for Handling Complaints Regarding Accredited Programs
- Appeals Hearing Procedure
- Continuing Education for Allied Health Professions

ENABLING RESOLUTION

The Committee on Allied Health Education and Accreditation (CAHEA) adopts all former AMA Council on Medical Education policy/procedure documents relating to allied health program accreditation until such time as CAHEA—acting expeditiously—may revise, adopt, replace or withdraw each policy/procedure, excepting those instances where it has already so acted.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

STATEMENT OF BASIC PRINCIPLES FOR THE ACCREDITATION OF ALLIED HEALTH EDUCATIONAL PROGRAMS

INTRODUCTION

These basic principles were adopted by the AMA Council on Medical Education in 1970 and revised subsequently for the guidance of professional associations collaborating in the accreditation of educational programs for the allied health professions and services. They have been prepared to meet the issues of the present and immediate future, and do not preclude future modifications.

I. OBJECTIVES

The objectives are: 1. to establish, maintain, periodically reassess and as indicated revise standards of quality for educational programs in the allied health professions and services; 2. to provide recognition for educational programs which meet the standards established by the appropriate accrediting agencies; and 3. to encourage and assist in the development of new educational programs which meet demonstrated needs in allied health fields.

II. RESPONSIBILITY

Increasingly today, physicians and other health professionals share in the responsibility for various aspects of health care. In turn, professional associations representing allied health specialists should share with medical specialty societies equally the responsibility for establishing and maintaining educational standards in the allied health fields. The medical profession is aware of its responsibility in relating to all the allied health fields which find their focus, indeed their reason for existence, in the care of the patient. Where the medical care of the patient is concerned, the physician has legal, moral, and ethical responsibility. As the major national organization for physicians, the American Medical Association feels this responsibility keenly, and believes that it is most beneficial to cooperate with the collaborating allied health organizations in coordinating the multiple and diverse components of the health care team through which the total care of the patient is provided. The collaborative process of promoting educational standards is an important contribution in assuring the competence of the individual to serve the public good.

III. NON-GOVERNMENTAL ACCREDITATION

Accreditation is, and should remain, a voluntary and non-governmental process, conducted by the professional associations concerned. Health professionals are partners with educational professionals in this work. Partly because of the increased mobility of the population, minimal standards for education in the health professions must be be national; state standards should complement, supplement, and may be higher than national standards. They should not replace national standards, nor should state approval compete with national approval. States can and should participate in developing, reinforcing, and revising, when necessary, national standards.

IV. ROLE OF THE AMA AND COLLABORATING ORGANIZATIONS

Each organization collaborating with the AMA provides its appropriate competencies. Each organization specifically concerned with accreditation for an allied health profession provides expertise in its specific area: 1. each participates in drafting the basic requirements for a program of education in that field (the *Essentials*) and in drafting revisions when necessary; 2. each provides skilled personnel to evaluate programs and to ascertain the extent to which the educational programs meet the *Essentials;* 3. each provides representatives to meet as a review committee to receive program evaluation reports.* The American Medical Association provides liaison participation.

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*NAACLS adopts *Essentials* and makes program recommendations.

The American Medical Association, in cooperation with the collaborating organizations, and with the review committees which they sponsor, assists in drafting new *Essentials* or in revising existing *Essentials*, using the standard format provided by CAHEA. Proposals for new or revised education *Essentials* are reviewed by the Committee on Allied Health Education and Accreditation (CAHEA), which makes its recommendations regarding their acceptability to the Council on Medical Education for AMA adoption. The Council on Medical Education consults with the AMA Section Councils concerned, and accounts for the concerns of the community of interest and prior to the adoption of *Essentials* holds an open hearing. *Essentials* are similarly adopted by the organizations which elect to collaborate in the sponsorship of the accreditation.* No final authority is specified; adoption has to be unanimous for an accreditation program to be initiated or sustained.

V. FUNCTIONS AND MECHANISM FOR ESTABLISHMENT OF REVIEW COMMITTEES

When only one organization is collaborating with the AMA in the accreditation of an educational program in a given allied health profession, a review committee is formed to review these educational programs and to make recommendations concerning program accreditation to the Committee on Allied Health Education and Accreditation.

When more than one sponsoring organization is involved in the education for an allied health occupation, a Joint Review Committee (JRC) is appointed whose members represent the sponsoring organizations. There should be equal representation between the profession or occupation under consideration and the interested medical specialty groups. Each collaborating sponsor organization:* 1. designates its own representative to the JRC; 2. receives formal reports from its representatives, as well as reports of all formal actions by the committee; 3. pays expenses for its representatives to attend meetings of the Joint Review Committee (and the Panel of Consultants and CAHEA meetings); and 4. contributes financially to the budget of the Joint Review Committee.

A review committee 1. elects its own chairman annually or biennially; 2. should conduct its meetings under *Sturgis' Rules of Order* or some other similar guide to parliamentary procedure; 3. schedules, organizes, and directs an individual or group of persons which evaluate applicant programs relative to compliance with published *Essentials;* 4. receives and reviews formal reports which are prepared by on-site evaluation teams, and agrees upon which accreditation action to recommend to the Committee on Allied Health Education and Accreditation, and 6. prepares drafts of proposals for revisions in *Essentials* when required, submitting them to the JRC's sponsoring organizations and to the Committee on Allied Health Education and Accreditation for review. If one sponsoring organization does not approve the proposed *Essentials* within one year, the proposal, together with dissenting reports, shall be forwarded to the Committee on Allied Health Education and Accreditation for consensus.

VI. CHANNELS OF APPEAL

Adverse accreditation decisions may be appealed through the following processes. An institution may appeal an adverse accreditation decision of the Committee on Allied Health Education and Accreditation by submitting to CAHEA, in writing, the objections to the basis for the adverse action together with supporting data and information with its request for reconsideration. CAHEA refers the appeal to the review committee for the particular allied health profession or occupation. After its review that body may either sustain or change its original recommendation to CAHEA. Action on the appeal may include a second on-site evaluation survey of the program. CAHEA then decides on the basis of the second recommendation. If the second recommendation is to sustain the first, the institution still has a final appeal to CAHEA. Such a final appeal is before a special "ad hoc" panel especially formed by CAHEA to hear the appeal. The final decision on an appeal is made by CAHEA.

VII. REVISION OF BASIC PRINCIPLES

The rapidly changing nature of the fields of health and medical care will periodically require collaborative review and revision of these principles. Such revisions are submitted to the Committee on Allied Health Education and Accreditation for consideration with the Panel of Consultants and Special Advisors. If sustained, these revisions must be endorsed by the collaborating organizations.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

PROCEDURES GOVERNING COLLABORATIVE RELATIONSHIPS

Concerning the relationships between the AMA Council on Medical Education and the medical specialty and allied health organizations involved in accrediting allied health educational programs.

INTRODUCTION

Accreditation of allied health education programs is a collaborative process. The Committee on Allied Health Education and Accreditation (CAHEA) serves as the umbrella agency with responsibility for coordinating accreditation activities for all health professions and occupations whose sponsoring national professional associations and societies have voluntarily sought collaboration with the medical profession in this important activity. *Essentials* (minimal standards for accreditation of a particular type of educational program by the Committee on Allied Health Education and Accreditation in collaboration with the other pertinent organizations) are drafted by the allied health organizations or agencies and medical specialty societies concerned with a particular occupation. When each of these organizations and the AMA Council on Medical Education have ratified the *Essentials*, and they have been approved by CAHEA, they are used by review committees to judge the merits of educational programs seeking accreditation. Members of a particular review committee usually are appointed by the organization or organizations concerned with the program area and which are recognized by CAHEA, as the official sponsor(s) of the review committee. The AMA provides staff liaison to each of the review committees and CAHEA, and recommendations from the review committees are acted upon by the Committee on Allied Health Education and Accreditation.

I. ESTABLISHING THE COLLABORATIVE RELATIONSHIP

New Health Occupation

Before the AMA Council on Medical Education can enter into a collaborative relationship with one or more national professional associations and societies to prepare a new variety of health care personnel, the AMA Council on Medical Education must have determined to its satisfaction that there is a bona fide demand for the new occupation. Information regarding the steps to be taken and the questions to be resolved by any group or institution attempting to develop a new health profession or occupation may be obtained from the Department of Health Manpower, American Medical Association, 535 N Dearborn St, Chicago, IL 60610.

Following recognition of the new health profession by the Council, staff of the Department of Allied Health Evaluation works with the sponsoring organization(s) to draft *Essentials*, to develop accreditation procedures under the auspices of an existing, reorganized or new review committee and to facilitate ratification of the *Essentials* by each of the collaborating organizations and the Council. The Council on Medical Education, upon receipt of an official request from an organization and evidence that the organization has ratified the *Essentials* and the CAHEA Statement of Basic Principles for the Accreditation of Allied Health Educational Programs, may vote to recognize the sponsor as a collaborating organization. CAHEA then invites it to appoint a representative to the Panel of Consultants.

B. *Established Health Profession (Education programs not presently accredited by CAHEA)* For purposes of clarification, the Council on Medical Education has adopted the policy that any health profession which has not had its educational programs accredited by the Committee on Allied Health Education and Accreditation shall have to petition the Council for recognition before entering into a collaborative relationship with the Council for the accreditation of educational programs by CAHEA.

C. *Established Health Profession (Education programs presently accredited by CAHEA)* When a national professional association or society believes that its membership has legitimate concerns and responsibilities for the quality of personnel prepared in educational programs accredited by CAHEA, the association or society may petition the particular review committee and each of its sponsoring organizations for approval to join with them as a collaborating co-sponsor of the review committee. Upon receipt of notification from each of the present sponsors, the Council and the review committee of their readiness to accept the petitioner as a co-sponsor the Council will request evidence that the petitioner has ratified the appropriate *Essentials* in effect at the time and the CAHEA Statement of Basic Principles for the Accreditation of Allied Health Educational Programs. Upon receipt of such evidence, the Council may vote to recognize the petitioner as an official sponsor of the review committee. As a collaborating organization, the organization will then be invited by CAHEA to appoint a representative to the Panel of Consultants.

II. DISSOLVING THE COLLABORATIVE RELATIONSHIP

A. Voluntary Dissolution

The collaborative relationship between a particular allied health association or medical specialty society and the AMA Council on Medical Education is entered into voluntarily at the specific request of the association or society. If collaborating organizations wish to withdraw from accreditation activities, the following considerations should be given careful attention:

1. *Students* who have been accepted for enrollment or who are enrolled in accredited educational programs should be protected: accreditation of educational programs should be continued until these students have completed their studies in the educational program.
2. *Institutions* sponsoring accredited educational programs should be protected: those institutions which are dependent upon supporting grants should continue to be eligible for funding for the length of time it takes for an orderly transition of the educational program to other funds; accreditation should be continued until the period of any supporting grant has expired and existing financial commitments have been fulfilled.
3. *The collaborating organization* should protect the profession it represents from giving the appearance of being arbitrary or inconsistent: the decision to collaborate in the accreditation of educational programs for an allied health profession occupation is a careful choice made by a responsible national professional organization; the decision to withdraw from accreditation activities must be responsible and should be reached under conditions which ensure that the principles of due process have been followed.
4. *The review committee* should be involved in the sponsoring organizations processes if considering withdrawal from accreditation, because the review committee is closest to the opportunities and problems involved and can provide facts useful in making policy decisions. To honor commitments made by the collaborating sponsor(s) and the review committee to educational institutions with accredited programs, the other sponsor(s) of the review committee and the CAHEA should be notified at least six months in advance of intent to discontinue sponsorship. All financial obligations to the review committee should be paid in full.

B. Involuntary Dissolution

The AMA Council on Medical Education and the collaborating organizations constitute a consortium—a collaborative group of organizations working together and individually for allied health education. Although it has never happened, if one of the collaborating organizations were considered by the other organizations as failing to meet the appropriate responsibilities, it is conceivable that involuntary discontinuance of the collaborative relationship should be carried out and the organization removed from the list of collaborating organizations.

The Panel of Consultants, which consists of representatives officially designated by the officers of the collaborating organizations, could serve as a mechanism for the consideration of such matters. The chairman of the Committee on Allied Health Education and Accreditation would conduct the hearing, and opportunities for presentation of information regarding both sides of the issue shall be provided. Current members of the Panel of Consultants shall be responsible for rendering a judgment on the issue, with a two-thirds majority vote of the Panel members present and voting required to sustain a recommendation to the Committee on Allied Health Education and Accreditation for expulsion of a collaborating organization from a review body and from the collaborative relationship with its sponsoring organizations.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

DIFFERENTIATION BETWEEN GUIDELINES AND *ESSENTIALS*

The following definitions of *Essentials* and Guidelines are to be followed in preparing *Essential* and Guideline documents.

1. ***Essentials* are policy documents.** These are the minimum standards for an accredited educational program. The proper auxiliary verbs to be used in the wording are: shall and must.

   Shall is used in laws, regulations, or directives to express what is mandatory.

   Must is an imperative need or duty; a requirement; an indispensable item.

   Essentials are adopted by collaborating organizations. They are used to determine the manner and extent of compliance of programs with these educational standards. Any requirement to which an accredited program is held accountable must be included in the *Essentials*.

2. **Guidelines are the explanatory documents which clarify the *Essentials*.** Guidelines provide examples of how *Essentials* are interpreted and allow for flexibility, yet remain within the framework of the *Essentials*. The proper auxiliary verbs to be used in the wording of Guidelines are: should, may, and could. It is permissable to have shall and must in the Guidelines if their use is in a reiteration of an *Essential*.

   Should is used to express ethical obligation or propriety.

   May expresses freedom or liberty to follow a suggested alternative.

   Could is used to suggest another alternative for meeting the intent.

   Guidelines should be reviewed by units of the collaborating organizations other than the one responsible for directly applying the Guidelines to ensure they explain the existing *Essentials* rather than state new ones.

3. **Preparation.** *Essentials* and Guidelines may be prepared in separate documents or, if written together, the *Essentials* should be in regular face type followed by the Guidelines in italics.

4. **Format.** The sequence of *Essentials* must follow that of the *Recommended Standard Format for Essentials*.

Adopted by the AMA Council on Medical Education, December 1973, and adopted by the Committee on Allied Health Education and Accreditation, October 1978

The *Recommended Standard Format for Essentials* was developed by a task force of the Committee on Allied Health Education and Accreditation (CAHEA) Panel of Consultants to encourage consistency in new or revised *Essentials* in the type of topics and their presentation. The Standard Format has been adopted by CAHEA, the Panel of Consultants, and the Chairpersons of the review committees.

Use of this format maintains the number of major segments in *Essentials* at seven, introduces consistent sequencing, and encourages common terminology.

In order to conform with the *Recommended Standard Format for Essentials, Essentials* must:

1. Incorporate the phrasing and sequencing of headings
   a. Title of the *Essentials* for each occupation
   b. Three major centered section heads: PREAMBLE, REQUIREMENTS FOR ACCREDITATION, and ADMINISTRATION OF ACCREDITATION
   c. Seven major roman numeral side heads: I. SPONSORSHIP, II. CURRICULUM, III. RESOURCES, IV. STUDENTS, V. OPERATIONAL POLICIES, VI. CONTINUING PROGRAM EVALUATION, VII. MAINTAINING ACCREDITATION
2. Incorporate the following sections in their entirety
   a. V. OPERATIONAL POLICIES
   b. VI. CONTINUING PROGRAM EVALUATION
   c. VII. MAINTAINING ACCREDITATION
   d. ADMINISTRATION OF ACCREDITATION

Essentials should also:

1. Incorporate as much as possible of the narratrive under each heading or subheading
2. Substitute subheads if different terminology is preferred (e.g., Medical Advisor for Medical Director)
3. Delete irrelevant subheads (e.g., Clinical Supervisor) as appropriate
4. Modify the recommended standard phrasing under each heading or subheading as necessary

Use of the Standard Format will be facilitated by a full review of CAHEA's *Manual of Procedures for Collaboration and Accreditation*, with particular attention to Differentiation Between Guidelines and *Essentials*. Experience in using the Standard Format may generate suggestions for improvement; these should be forwarded to the Secretary of CAHEA in the Department of Allied Health Evaluation.

RECOMMENDED STANDARD FORMAT FOR ESSENTIALS

Essentials of an Accredited Educational Program

for the ____

(Name of Health Profession or Occupation)
Initially adopted (year); revised (year), (year), etc.
Adopted by the

____
____
____
____

(Names of collaborating organizations alphabetized and in bold capital letters)

Program Review Committee

____

PREAMBLE

OBJECTIVE

The medical and health professions cooperate to establish, maintain and promote appropriate standards of quality for educational programs in health professions and occupations, and to provide recognition for educational programs which meet or exceed the minimum standards outlined in these *Essentials*.

These standards are to be used for the development and self-evaluation of allied health educational programs. Site-visiting teams assist in the evaluation of the program's compliance with the *Essentials*. Lists of accredited programs are published for the information of prospective students, employers, and the public.

DESCRIPTION OF THE PROFESSION

(Examples of competencies to be achieved by the student rather than general comments on the field)

REQUIREMENTS FOR ACCREDITATION

I. SPONSORSHIP

A. In programs where the academic and clinical phases are provided in two or more institutions, accreditation will be granted to the sponsoring institution or the institution that assumes primary responsibility for curriculum planning and selection of course content; coordinates classroom teaching and supervised clinical education; appoints faculty to the program; receives and processes applications for admission; and grants the degree or certificate documenting completion of the program. The sponsoring institution shall also be responsible for assuring that the activities assigned to students in the clinical setting are educational.

B. Educational programs may be established in
   1. Community and junior colleges, senior colleges, and universities;
   2. Hospitals and clinics;
   3. Laboratories;
   4. Medical schools;
   5. Postsecondary vocational/technical schools and institutions; and
   6. Other acceptable institutions which meet comparable standards for education in this field.

C. The sponsoring institution and affiliates, if any, must be accredited by recognized agencies, or, in the judgment of the Committee on Allied Health Education and Accreditation, meet equivalent standards.

D. Responsibilities of the sponsor and each affiliate for program administration, instruction, supervision, etc., must be clearly described in written documents such as affiliation agreements.

II. CURRICULUM

Instruction must follow a plan which documents:

A. A structured curriculum including clinical education with clearly written course syllabi which describe learning objectives and competencies to be achieved
B. Assignment of appropriate instructional materials
C. Classroom presentations, discussions, and demonstrations
D. Supervised practice, experience, and discussions
E. Evaluation of students to assess knowledge, problem solving skills, and motor and clinical competencies
F. The competencies necessary for graduation

III. RESOURCES

Resources must be adequate to support the number of students admitted to the program.

A. **Program Officials**

The program must have a qualified program official or officials. Primary responsibilities shall include program development, organization, administration, evaluation, and revision. These may be carried out in various ways. A program director (or equivalent) is necessary; other program officials may be required.

1. Program Director (or equivalent)
   a. Responsibilities

The director of the educational program shall be responsible for the organization, administration, periodic review, continued development, and general effectiveness of the program.

b. Qualifications

2. Medical Director (or equivalent)

a. Responsibilities

The medical director of the program shall provide competent medical direction and shall participate in the clinical instruction.

b. Qualifications

3. Education Coordinator (or equivalent)

a. Responsibilities

The education coordinator provides supervision, administration, and coordination to the instructional staff in the academic and clinical phases of the educational program.

b. Qualifications

B. **Instructional Staff**

1. Responsibilities

2. Qualifications

The instructors must be qualified, knowledgeable, and effective in teaching the subjects assigned.

3. Instructor/student ratio

The instructor/student ratio shall be adequate to achieve the stated objectives of the curriculum.

4. Professional development

Accredited programs shall have a policy that encourages continuing education in the health profession or occupation and assures on-going instruction for the faculty in curriculum design and teaching techniques.

C. **Financial Resources**

Financial resources for continued operation of the educational program must be assured.

D. **Physical Resources**

1. General

Adequate classrooms, laboratories, administrative offices, and other facilities shall be provided.

2. Equipment and Supplies

Appropriate modern equipment and supplies in sufficient quantities shall be provided.

3. Library

A library shall be readily accessible, containing an adequate supply of up-to-date books, periodicals, and other reference materials related to the curriculum.

4. Records

Satisfactory records shall be maintained for student admission, health, attendance, participation, achievement, and evaluation.

E. **Instructional Resources**

Instructional aids such as clinical materials, reference materials, and demonstration and other multimedia materials, must be provided.

F. **Advisory Committee**

If appropriate, an advisory committee shall be formed and the composition, roles and functions shall be clearly defined.

1. Responsibilities

The purpose(s) shall be to facilitate continuing program development, evaluation, and coordination.

2. Qualifications

IV. STUDENTS

A. **Program Description**

Students shall be provided with a clear description of the program and its content, including learning goals, course objectives, and competencies. Criteria for successful completion of each segment of the curriculum, and for graduation, shall be given in advance to each student.

B. **Admission**

Admission of students, including advanced placement, shall be made in accordance with generally accepted practices of the institution. These practices shall be clearly defined and published.

C. **Health**

It shall be the responsibility of the program officials to determine that the applicants' or students' health will permit them to meet the technical standards of the program. Students must be informed of and have access to the usual student health care services of the institution. Where appropriate, emergency medical care must be available.

D. **Student Guidance**

Student guidance shall be available.

E. **Appeal Mechanisms**

Appropriate appeal mechanisms shall be made known and be made available to the students.

V. OPERATIONAL POLICIES

A. Announcements and advertising must reflect accurately the program offered.

B. Student matriculation practices and student and faculty recruitment shall be non-discriminatory with respect to race, color, creed, sex, age, handicap(s), or national origin.

C. Academic credit and costs to the student shall be accurately stated and published.

D. Policies and processes for student withdrawal, and refunds of tuition and fees, shall be published and made known to all applicants.

E. The institution shall comply with *Fair Practices in Education* as established by the Committee on Allied Health Education and Accreditation.

VI. CONTINUING PROGRAM EVALUATION

A. A process for periodic and systematic review of the program's effectiveness must be documented. The results of these reviews must be considered and reflected in policies developed and in the program's self-study.

B. One element of program evaluation shall be the employment record of graduates of the program.

VII. MAINTAINING ACCREDITATION

A. The Annual Report form provided by the Committee on Allied Health Education and Accreditation shall be completed, signed by an appropriate official, and returned by the established deadline.

B. If a program official, of an accredited program is changed, prompt notification shall be sent to the Department of Allied Health Evaluation of the AMA. A curriculum vitae of the new program official, giving details of training, education, and experience in the field, shall be provided.

C. The Committee on Allied Health Education and Accreditation may withdraw accreditation whenever the educational program is not maintained in substantial compliance with the *Essentials*; or there are no students in the program for two consecutive years.

D. Accreditation shall be withdrawn only after notice has been given to the chief executive officer of the institution that such action is contemplated, with the reasons therefore, and with sufficient time to permit a considered response. Established procedures for appeal and review shall be available.

ADMINISTRATION OF ACCREDITATION

ACCREDITATION

1. Application for accreditation of a program should be made to:

   Department of Allied Health Evaluation
   American Medical Association
   535 N Dearborn St
   Chicago, IL 60610
2. The evaluation and accreditation of a program can be initiated only at the written request of the chief executive officer of the sponsoring institution or an officially designated representative.
3. A sponsoring institution may withdraw its request for initial accreditation at any time (even after the site visit) prior to final action.
4. The program being evaluated is given the opportunity to review the factual report of the visiting survey team and to comment on its accuracy before final action is taken.
5. The Committee on Allied Health Education and Accreditation (CAHEA) and the cooperating review committees will periodically resurvey educational programs for continued accreditation.
6. The chief executive officer of the sponsoring institution may request that a return on-site evaluation be made in the event of significant deficiencies in the performance of an earlier evaluation team.
7. Adverse accreditation decisions may be appealed by writing to CAHEA. Due process will be followed.

Adopted by the Committee on Allied Health Education and Accreditation, October 1978

MECHANISM FOR ADOPTING AND REVISING *ESSENTIALS* FOR ALLIED HEALTH EDUCATIONAL PROGRAMS

I. INTRODUCTION

Accreditation of allied health educational programs is a collaborative process. *Essentials* are developed and endorsed by the allied health and/or medical specialty societies concerned with a particular profession, as well as the Council on Medical Education of the American Medical Association.

Proposals for revision of *Essentials* are drafted by committees, councils or other components of organizations with collaborative responsibility for professions. Those specific national organizations which are recognized as having a vital interest in the activities of the graduates of the accredited programs officially sponsor a review committee which evaluates programs and recommends accreditation status to the Committee on Allied Health Education and Accreditation (CAHEA).

The review committee is the primary body responsible for the evaluative process of accreditation; as such, its members are among the most knowledgeable about the intent and scope of the *Essentials*. Proposed revisions may be drafted by the review committee or a separate committee on standards which may be appointed by the collaborating organizations.

II. DRAFTING *ESSENTIALS*

The committee which is preparing the revision should have input from the community of interests affected by the *Essentials* such as practitioners, employers, educators, administrators of health service and educational institutions, and recipients of services provided by the graduates of educational programs for which the *Essentials* are designed. The review committee should publish notice of intention to review the *Essentials* through announcements at national meetings and items in appropriate bulletins, newsletters, and journals. The notices should contain information regarding where to obtain copies of the proposed *Essentials*, the name and address of the person or group designated to receive comments from interested parties, and the deadline date for submitting comments.

The draft of any proposed revisions is also circulated to appropriate bodies of the collaborating organizations which sponsor the review committee, for their comments. The committee working on the revision may anticipate a period of at least six months before receiving responses, because these committees of the sponsoring organizations seldom meet more than two or three times a year. One of the primary responsibilities of the committee working on the revision is to ensure that the *Essentials* reflect the needs of a changing society.

III. RATIFICATION BY ORGANIZATION(S) SPONSORING THE REVIEW COMMITTEE

When the committee is satisfied with the proposed revisions, the revised document is then submitted to each of the sponsors of the review committee for endorsement by its designated policy-making body. If the *Essentials* are not ratified by all concerned, they are referred to the committee with the suggestions for revision. The review conducted by each sponsoring organization will ordinarily include an opportunity for open hearings. If, at the end of one year, one of the sponsoring organizations still has not approved the proposed *Essentials*, the proposal—together with a dissenting report—shall be forwarded to the Committee on Allied Health Education and Accreditation (CAHEA) for arbitration. The hearing and determination of the case in controversy shall be the responsibility of the chairman of CAHEA, with the recommendation of CAHEA then being forwarded to the AMA Council on Medical Education for action.

The sequence of ratification actions will vary. Attention must be given to conflicting priorities to give all concerned an opportunity to participate, and to expedite action.

Items:

Collaborating organizations may want to hold discussions or hearings at their conventions or other scheduled meetings.

Review committees may want to hold discussions or even hearings.

The Council on Medical Education will always hold a hearing before it votes on the adoption of *Essentials*.

Another complication is the desire to identify problems early rather than at the last minute, just before the vote on adoption. Therefore, it is desirable to review and comment on drafts of *Essentials* early in the process as well as to hold hearings just before the vote is taken on adoption of the *Essentials*.

Therefore all concerned should cooperate with good will in this difficult process of discussion-decision by the community of interests.

IV. ADOPTION BY THE AMA COUNCIL ON MEDICAL EDUCATION

The proposed revision of *Essentials* is submitted to the Committee on Allied Health Education and Accreditation (CAHEA). At this point the *Essentials* may be referred back to the committee which drafted the revision with suggestions for further modification before the document is sent to the Council on Medical Education with a recommendation for adoption at the next meeting of the Council.

As standard operating procedure for the AMA, the Council holds an open hearing on the *Essentials* under consideration. Notifications announcing the time and place of the hearing, extending invitation for written as well as oral comments, are forwarded to the program officials of all the CAHEA-accredited programs for that occupation, to the organizations cooperating with CAHEA in accreditation, to other appropriate national educational and health organizations, to appropriate AMA Section Council chairmen, and to others in the community of interests. Members of the Council on Medical Education who are CAHEA members and the chairman of the Committee on Allied Health Education and Accreditation conduct the hearing for the council and present the input from the hearing and their conclusions to the full Council when the *Essentials* are considered.

Proposals for new or revised *Essentials* are either adopted as presented or referred back for review, along with supporting information presented at the open hearings. *Essentials* must be adopted by each collaborating organization concerned with a particular allied health occupation before they become the national standards; changes cannot be made by one organization without approval of the others.

IV. PUBLISHING *ESSENTIALS*

Once the new or revised *Essentials* have been adopted by all organizations concerned, an effective date for adherence to any major changes from previous *Essentials* is established by the review committee and CAHEA. This date will ordinarily be about one academic year following official adoption by all collaborating organizations. Educational programs accredited under the previous *Essentials* shall be provided with a copy of the revised *Essentials* with notice of the date when the new standards go into effect.

V. PERIODIC REVIEW OF *ESSENTIALS*, POLICIES AND PROCEDURES

The review committee shall be responsible for reviewing at regular intervals the criteria by which the educational programs are judged, as well as the accreditation procedures followed, so that the evaluative process shall support constructive analysis, emphasize factors of critical importance and reflect the educational needs of the student and the community. The results of such reviews shall be reported to each of the organizations sponsoring the review committee and to the AMA Council on Medical Education. Ordinarily, review of *Essentials* takes place within a period of five years.

VI. MAINTAINING A FILE OF SUGGESTED REVISIONS

Chairmen of review committees shall be responsible for maintaining an active file of suggestions received concerning the *Essentials*, and guidelines which may accompany the *Essentials*. This file shall be made available to the committee assigned to revise the *Essentials* as they commence their task, and to CAHEA and the Council at appropriate times.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

FAIR PRACTICES IN EDUCATION

(Incorporated in the Recommended Standard Format for *Essentials*)

The Committee on Allied Health Education and Accreditation (CAHEA) expects programs and sponsoring institutions to comply with the following fair practice standards in education.

Announcements

1. Announcements and advertising must accurately reflect the program offered; they must not misrepresent or mislead.

Non-discrimination

2. Student and faculty recruitment and student matriculation practices shall be non-discriminatory with respect to race, color, creed, sex, age, handicap(s), or national origin.

Safety

3. The health and safety of students, faculty, and patients associated with student educational activities must be adequately safeguarded.

Matriculation

4. The program must be educational and students must use their scheduled time for educational experiences.
5. Student recruitment practices must permit students to exercise free choice of programs.
6. Student and faculty recruitment practices must not be misrepresentative. Overstatement of financial rewards must be avoided in order to prevent unrealistic income expectations on the part of graduates.

Financial

7. Costs to students must be reasonable and must be accurately stated and published.
8. Policies and processes for student withdrawal and tuition refund must be fair, published, and made known to all applicants. The program must not use high pressure techniques with students in recruiting, registering, or contracting. Unexpended tuition or fees to which the student is entitled must be refunded.
9. Financial arrangements must be fair to the students and to the school. Students must not be encouraged to arrange loans with excessive interest rates or to take out loans which lead to indebtedness that is excessive in relation to the potential earnings of a program graduate.
10. The program must not assign excessive credit hours to coursework to obtain unjustified tuition income.

The Committee on Allied Health Education and Accreditation refers charges of alleged unfair practices to the appropriate review committee for investigation and recommended action.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978, editorial revision approved January 1979

POLICIES AND PROCEDURES FOR REVIEW COMMITTEES

Relating to the establishment, structure, and staffing of review committees, and the maintenance of liaison with the Committee on Allied Health Education and Accreditation (CAHEA).

Preamble. The Committee on Allied Health Education and Accreditation cooperating with national professional associations and societies in accrediting educational programs which prepare persons to work with physicians in providing medical services. In carrying out this accreditation activity, the collaborating organizations have established review committees and delegated to them responsibility for working with the CAHEA in evaluating educational programs that apply for accreditation. Members of the review committee are appointed by, and are responsible to, the organizations which sponsor the review committee.* Because CAHEA depends so heavily upon the work of review committees, it is essential that CAHEA be fully aware of the policies and procedures they employ. Moreover, since the CAHEA meets the *Criteria for Nationally Recognized Accrediting Agencies and Associations*, established by the US Office of Education and the *Provisions and Procedures for Becoming Recognized as an Accrediting Agency*, established by the Council on Postsecondary Accreditation, it has the responsibility to ensure that the activities of the review committees are conducted in a manner which complies with these standards. The suggestions that follow attempt to clarify the relationships between and the responsibilities of CAHEA and the review committees with which it works. The liaison between the review committees and CAHEA is carried out by the staff of the AMA Department of Allied Health Evaluation. While these policies and procedures are intended primarily to assist developing review committees, they should be considered by existing committees as guides for improving current activities.

I. ESTABLISHMENT OF REVIEW COMMITTEES

A. Those professional organizations that collaborate in the development of *Essentials* for educational programs for an allied health occupation have the responsibility of forming a committee to evaluate programs in the light of the established *Essentials* and to make accreditation recommendations to CAHEA.

B. The Department of Allied Health Evaluation will assist a new review committee regarding its structure, function, and responsibilities; staff will provide the new review committee with copies of the USOE *Criteria* and explain how these can and should be met. Information is also supplied concerning fees for accreditation services, accreditation classifications, survey team structure, etc.

II. THE STRUCTURE OF A REVIEW COMMITTEE

A. Section V of "The Statement of Basic Principles," adopted by the Council on Medical Education in 1970, outlines the basic manner in which review committees and joint review committees should be structured.

B. The committee should make provision for a rotating membership to assure continuity. This can be accomplished by staggering the initial appointments to the committee for two, three, or four years. Subsequent appointments to the committee can then be for a fixed period of time, for example, three years.

C. The committee chairman should be elected (or perhaps appointed when only one organization is represented on the committee) for a fixed term. Experience has shown that the work of the committee is most effective when the chairman is selected for at least a two-year term. His or her primary responsibility is to guide and direct the work of the review committee.

D. In the event that no medical specialty organization is clearly identified with the allied health occupation under consideration, CAHEA may be invited to designate one or more physicians to represent the medical profession on the review committee.

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*See NAACLS as an exception.

E. Review committees might choose to have public representatives, either as consultants or as members.

III. STAFFING OF REVIEW COMMITTEES

A. For any review committee that handles a significant number of applications annually (more than five or six), it is imperative that adequate staff support (e.g., administrative assistant, staff secretary or executive secretary) be assured. Since it is mandatory that the operations of a review committee be carried out in a timely and effective manner, the organizations sponsoring the review committee must devise a plan whereby the necessary staffing of the review committee will be accomplished.

B. The Department of Allied Health Evaluation provides staff assistance during the organizational period of a review committee; it does not, except in most unusual circumstances, continue to provide staff support for the committee after that time.

C. Ordinarily, review committee staff would have primary responsibility for maintaining records relating to the on-going activities of the committee, scheduling site visits and arranging for surveyors, corresponding with programs, preparing for review committee meetings, and transmitting the committee's accreditation recommendations to CAHEA.

D. When a review committee is sponsored by a single organization, that organization usually is able to provide staff services to the committee from its headquarter's educational staff.

IV. For joint review committees, the designation and location of the committee's administrative staff person often poses problems. The following alternatives could be considered.

1. The preferred option would be for all of the organizations involved to agree to house the staff in one of their central offices on a permanent basis. The authority to hire would be delegated to that association; the costs would be shared appropriately.
2. On a rotating basis, the staff could be housed in the central offices of the sponsoring organizations, e.g., three years in one organization, three years in another, etc.
3. If one major organization is collaborating with the Committee on Allied Health Education and Accreditation, the review committee staff could be located in that organization's central office.

Permanency, continuity, communication, and expertise are the salient factors to be considered in determining who will provide staffing and where staff will be located.

V. POLICIES AND PROCEDURES RELATING TO THE INTERACTION OF CAHEA AND REVIEW COMMITTEES IN THE ACCREDITATION PROCESS

A. To ensure a focus for accreditation activities for all of the allied health occupations, all applications for the accreditation of educational programs should be submitted to the AMA Department of Allied Health Evaluation. DAHE records and acknowledges of receipt of each application and forwards the appropriate number of copies to the review committee staff.

The review committee judges, on the basis of the application, whether the program is eligible for survey. If the action is affirmative, the review committee advises the program of the required self-analysis to be prepared and suggests tentative dates for a survey visit. For some programs the application incorporates the outline of the self-analysis.

B. DAHE is responsible for maintaining the permanent official records pertinent to the programs accredited by CAHEA. These include copies of 1. the application filed for accreditation, 2. the survey team report, 3. the recommendation from the review committee, and 4. the letter of notification from CAHEA.

C. The review committee is responsible for scheduling survey visits and apprising DAHE of the survey schedule, obtaining competent surveyors, providing surveyors with the necessary materials for the survey prior to the on-site evaluation visit, preparing a pool of persons to be proficient in performing on-site evaluations, assuring that the institution receives a written copy of the findings of the survey team within a reasonable period of time following the visit in order that the institution can correct any factual errors in the report, providing DAHE with a copy of the survey report and a letter of recommendation concerning accreditation of the program.

The review committee should maintain a file of all pertinent correspondence between itself and the program, and the Committee on Allied Health Education and Accreditation and the program. The official record of accreditation action however, is maintained by the Department of Allied Health Evaluation for CAHEA.

D. Official notification of accreditation action is sent to the chief executive officer of the sponsoring institution by the CAHEA staff with copies to the appropriate institutional official(s), program director, and review committee staff.

E. Review committee chairpersons and their appropriate staff are invited to meet with the Committee on Allied Health Education and Accreditation annually at the summer meeting. This provides an opportunity to discuss policies and procedures related to the cooperative accreditation effort and to explore larger issues affecting allied health education. All chairmen are expected to participate.

F. DAHE staff, representing CAHEA, should be in attendance at meetings of review committees for applicable agenda discussion.

G. In order to satisfy its responsibilities as an accrediting agency, CAHEA is concerned with the quality of the policies and procedures of the review committees and the program surveys they conduct. To this end, CAHEA, through the staff of DAHE: 1. participates in a representative number of on-site accreditation visits; 2. provides guidance to individual review committees in preparing survey team members; and 3. gathers data on the effectiveness of the survey visits conducted by the various review committees to seek ways to improve the process.

H. Carbon copies of all pertinent correspondence relating to the major phases of program accreditation—application, survey, and notification of accreditation action—should be exchanged between CAHEA and the review committees.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

CLASSIFICATION OF ACCREDITATION ACTIONS

The following categories of accreditation or non-accreditation are used by the various review committees in recommending to the Committee on Allied Health Education and Accreditation (CAHEA) an appropriate action, based on the review committee's evaluation of the extent to which an educational program complies with the Essentials for accreditation. In reaching a conclusion about the degree to which compliance with an Essential is demonstrated, the professional judgement of qualified evaluators is paramount. Not all categories of accreditation need to be used by all review committees, but none may be added without the approval of the Committee on Allied Health Education and Accreditation. A program becomes eligible for on-site evaluation when planning is substantially complete and the program is in operation.

I. ACCREDITATION

A student successfully completing a program granted any of the following categories of accreditation is regarded as a graduate of a CAHEA-accredited program.

A. PROVISIONAL ACCREDITATION

The program is in operation but the first class has not graduated. Review of the application for accreditation of a new program and the report of the initial on-site evaluation by a visiting team indicates that the program, when fully operational, can be expected to be in substantial compliance with the *Essentials* (minimal standards for accreditation).

The sponsoring institution is encouraged to continue development of the program. An on-site re-evaluation is conducted when the program is fully operational and at least one class has graduated.

B. ACCREDITATION

An on-site evaluation of the program by a visiting team confirms that the applicant is in substantial compliance with all of the *Essentials*. In instances where compliance with an *Essential* is marginal, the concern(s) expressed in the survey team's report shall serve as the basis for requesting the sponsoring institution to resolve apparent problems concerning its compliance.

The sponsoring institution is provided with recommendations regarding marginal compliance with an *Essential* and may be given a specific length of time (usually no more than one year) to provide evidence of being in substantial compliance. Periodic progress reports may be required by the review committee. An on-site evaluation of the program will be scheduled periodically (three to five year interval).

This action may also be recommended for a program which has held qualified or probationary accreditation and which has provided adequate evidence of compliance with all of the *Essentials*.

In the event that the review committee acquires confirmed information that a program holding this status no longer complies with one or more *Essentials*, the seriousness of the situation shall be judged and, if warranted, a change to qualified or probationary accreditation will be recommended.

C. ACCREDITATION WITH QUALIFICATIONS

An on-site evaluation of the program or correspondence with official representatives of the institution offering the program, confirms certain shortcomings in compliance with one or more *Essentials* and the deficiencies are believed to be correctable.

The sponsoring institution is provided with a clear statement of each program characteristic which represents a shortcoming in relation to an *Essential* as well as a qualification to be fulfilled by a specified date (usually no longer than one year) in order to achieve unqualified accreditation. In addition, any program characteristic which is judged to be in marginal compliance with an *Essential* is identified and a specific recommendation provided for improving this area.

A progress report is mandatory. The progress report will provide information on what has been accomplished to meet the qualification(s) imposed earlier and to address any additional areas of marginal compliance. In some instances it may be appropriate to require periodic progress reports dealing with selected qualifications.

Provision of satisfactory evidence that a specific qualification has been fulfilled will result in a recommendation by the review committee that the qualification to accreditation be removed. Thus, it is appropriate for the original recommendation to the CAHEA to specify the number and identity of each qualification and for subsequent recommendations to specify which qualifications are being considered.

Failure to remove the qualifications by providing evidence of substantial compliance with the *Essential* within the specified period will normally result in a change to probationary accreditation. An on-site evaluation by one or more representatives of the accrediting agency may be used to establish the facts, but this is not necessary if the facts are not in dispute.

D. PROBATIONARY ACCREDITATION

The program is presently accredited. Evidence is available to verify the existence of program characteristics which represent failure to be in substantial compliance with the *Essentials* and which threaten the capability of the program to provide acceptable educational experiences for its students. An on-site assessment of conditions by a visiting team usually produces the necessary evidence; however, an on-site review is not required for this action to be recommended if the facts are not in dispute.

The sponsoring institution is provided with a clear statement of each program characteristic which demonstrates inadequate compliance with an *Essential* as well as with specific guidance regarding possible means of fulfilling the requirements, and a deadline for demonstrating substantial compliance with the *Essentials*. The letter of notification of action by the CAHEA to place the program on probation is sent by Registered Mail, return receipt requested, and the chief administrative officer of the institution offering the program is advised to notify all students enrolled in the program, and those seeking admission, that future accreditation is in jeopardy. Program officials will also be asked to consider the advisability of suspending admissions to the program until the deficiencies are corrected.

The review committee may require periodic progress reports. An on-site evaluation of the situation by experienced representatives of the accrediting agency is usually conducted before removal of probationary status may be considered. A probationary period should not be permitted to extend beyond two years. Failure to show evidence of complying with the *Essentials* within the specified period will normally result in withdrawal of accreditation.

II. NON-ACCREDITATION

A. ACCREDITATION WITHHELD

This recommendation concerns a new program. Information contained in the application or the report of the visiting team indicates that the program, as currently planned or conducted, does not fulfill several major requirements, specified in the *Essentials* and the deficiencies are not easily corrected.

This recommendation is made when the review committee judges that the program characteristics which fail to comply with *Essentials* are vital to the success of the program in offering acceptable learning experiences to students and that the program will be unable to fulfill the requirements within the immediate future. The sponsoring institution is provided with a clear statement of each program characteristic which demonstrates inadequate compliance with an *Essential*, as well as with specific guidance regarding possible means of fulfilling the requirements. The letter of notification of action by the CAHEA is sent by Registered Mail, return receipt requested. The sponsoring institution is advised of appeal procedures. The sponsoring institution may appeal, in writing, through established channels, or may re-apply for accreditation as a new applicant at a later date.

B. ACCREDITATION WITHDRAWN

1. At Request of Institution

The sponsoring institution and affiliates are advised that, as they have requested, the name of the program has been removed from the list of accredited programs. The sponsoring institution is informed that any reactivation of the program will be treated as a new program for purposes of accreditation.

2. Failure to Comply with *Essentials*

The sponsoring institution fails to show evidence of substantial compliance with the *Essentials* within the specified probationary period.

This recommendation is made when it is determined that all other possibilities have been exhausted and no other alternative is feasible. Notification of action by the CAHEA is sent by registered mail. The sponsoring institution may appeal, in writing, through established channels, or may re-apply for accreditation as a new applicant at a later date.

A student enrolled in the program when the institution offering the program is notified that accreditation has been withdrawn will be permitted to complete the program on the usual schedule and will be considered as a graduate of a CAHEA-accredited program.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

FEES FOR ACCREDITATION SERVICES

1. All review committees should be informed of the AMA Office of General Counsel's opinion that incorporation is desirable if the review committee is to have permanent staff, if sizable funds will be flowing through its office, and if significant liability exposure is possible.
2. Each collaborating organization is responsible for an equitable portion of the financial support of a given review committee, and for the participation of its representatives in the conduct of the affairs of that committee.
3. Fees may be assessed for processing program applications, to defray the costs of site-visit evaluation, and for program reevaluations. In addition, other activities related to program accreditation are considered a legitimate expenditure of funds collected through accreditation fees, for example, workshops on program self-analysis or orientation of site-visitors to evaluation criteria and process.
4. Site-visitors serve without honoraria.
5. Each review committee may decide who shall pay accreditation costs.
6. Programs shall be current in their payment of accreditation fees to maintain their accreditation status.
7. Income and expenses of review committees should undergo annual independent audit. Copies of an independent or internal audit shall be shared with the Committee on Allied Health Education and Accreditation (CAHEA).
8. By review of fees charged or proposed, CAHEA will provide reasonable assurance that fees are in accord with justifiable costs of accreditation.

Adopted by the AMA Council on Medical Education, November 1969 and revised November 1974, and adopted by the Committee on Allied Health Education and Accreditation October 1978

PROCEDURE TO BE FOLLOWED IN THE EVENT THAT AN ACCREDITED PROGRAM IS NOT RESPONSIVE TO ADMINISTRATIVE REQUIREMENTS

It is the responsibility of the Committee on Allied Health Education and Accreditation (CAHEA) to take action regarding the status and intent of apparently non-compliant programs for reason of non-responsiveness.

Accredited programs may be potentially non-compliant when non-responsive to the Annual Report, non-responsive or uncooperative with respect to a necessary resurvey visit, or fail to submit a self-study in a timely manner for purposes of resurvey.

One provision is that the review committee may elect to send a survey team to determine the status of compliance. If this proves necessary the following procedures apply:

1. The chief executive officer is notified by certified mail, return receipt requested of the intent to re-survey the program for due cause.
2. If the program responds negatively or fails to respond, the chief executive officer shall be notified as soon as possible of CAHEA's intent to withdraw accreditation at its next scheduled meeting. This notification shall be by certified mail, return receipt requested.
3. In the event the accreditation is withdrawn the program will automatically be removed from the list of CAHEA accredited programs.

A similar procedure is followed in the event that an Annual Report is not responded to, or is responded to negatively: notification by certified mail, followed by notification of intent to withdraw accreditation, followed by removal from the list.

Adopted by the Committee on Allied Health Education and Accreditation, July 1978

PROCEDURE FOR NON-DISCRIMINATORY PRACTICES

The Committee on Allied Health Education and Accreditation (CAHEA) requires that site visit team members, consultants, and members of review committees be selected on a non-discriminatory basis with respect to race, color, creed, sex, age, handicap(s), or national origin.

Adopted by the Committee on Allied Health Education and Accreditation, October 1978

PROCEDURE STATEMENT ON JOINTLY SPONSORED EVALUATION SURVEYS OF ALLIED HEALTH EDUCATIONAL PROGRAMS

1. The Committee on Allied Health Education and Accreditation (CAHEA) should develop and implement jointly, with other recognized health accreditation bodies, a plan for concurrent multi-disciplinary evaluation of teaching programs for allied health personnel conducted under the sponsorship of the same educational institution and affiliated clinical facilities.
2. Individual evaluation reports will be prepared by the appropriate evaluation team for each program and will be subject to consideration in preparation of a definitive recommendation concerning accreditation status for action by the appropriate accrediting body.
3. Accreditation status of any single program will not be contingent upon accreditation of other health programs within the same institution.
4. Joint allied health program evaluation visits will be conducted whenever feasible, but only in those instances where a multi-disciplinary evaluation visit has been requested by the chief executive officer of the sponsoring institution.
5. Whenever feasible, joint surveys will be scheduled concurrently with evaluation visits of other programmatic and regional accrediting bodies. At other times, the educational institution will be encouraged to invite representation from the appropriate regional accrediting body to join the evaluation team.

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

LETTER OF REVIEW FOR DEVELOPING PROGRAMS

A number of institutions which seek Federal and state funding for proposed educational programs or for other special purposes may need to demonstrate that they have satisfied a review by voluntary accrediting agencies in order to qualify for further planning or operational funding support. Such institutions may request a "Letter of Review" from the appropriate review committee.

Review committees which elect to participate in a "Letter of Review" process assess the degree to which the plans of the institution's proposed program may result in the program's meeting the established *Essentials.*

Positive assessments of plans are recognized by review committees in a formal "Letter of Review" issued to applicant institutions. A "Letter of Review" does not ensure eventual accreditation and this shall be so stated in each letter.

Adopted by the Committee on Allied Health Education and Accreditation, January 1979

SELF-ANALYSIS REQUIREMENTS

The Committee on Allied Health Education and Accreditation (CAHEA), in response to the needs of review committees, requires a program self-analysis as an integral part of the accreditation process.

I. COORDINATION OF AND CONTRIBUTORS TO THE SELF-ANALYSIS

Self-analysis, a comprehensive, systematic examination of the program within its institutional setting, is usually conducted over a number of months under the coordination of the program director. Contributors include program officials and faculty; administration officials and resource persons; clinical supervisors or faculty; nonprogram faculty; program advisors (e.g., advisory committee members); students and graduates; and other appropriate individuals.

II. CONTENTS AND SEQUENCE OF THE SELF-ANALYSIS REPORT

Review committees frequently provide special guidance on how to conduct a self-analysis and on how to prepare the self-analysis report. This assistance usually includes an "Outline of the Self-Analysis" (sometimes entitled "Outline of the Self-Study"); some review committees also offer instruction in the self-analysis process through periodic workshops. The narrative and documentation of the self-analysis follow the sequence of the applicable *Essentials* and take into account the Guidelines to the *Essentials,* if available. The documentation substantiating the narrative should be representative rather than comprehensive and should not exceed what is required to demonstrate compliance with the *Essentials.* Supplementary materials dealing with major divisions of the *Essentials* may be integrated with the narrative, appear in appendices, or both. The narrative and documentation should culminate in a qualitative assessment of the program's strengths and weaknesses and with a statement of actions planned to correct the latter.

III. PRESENTATION AND USE OF THE SELF-ANALYSIS REPORT

The self-analysis document is used in the accreditation process by members of review committees, designated readers, accreditation staff, and on-site survey team members. It should contain only pertinent and necessary materials, all of which are legible, and should be bound or presented so that it may be conveniently reviewed. Keeping cost in mind, the review committees should request the minimum number of copies necessary.

A self-analysis is submitted by each program applying for initial or continuing accreditatin review.

Adopted by the Committee on Allied Health Education and Accreditation, January 1979

POLICY STATEMENT ON IDENTIFICATION OF SPONSORING INSTITUTION

In considering the accreditation status of educational programs involving the facilities of more than one institution, the Committee on Allied Health Education and Accreditation (CAHEA) has established standards for identification of the program sponsor. Institutions and consortia may be identified as the program sponsor if they substantially meet the following criteria:

1. The sponsoring institution assumes primary responsibility for curriculum planning and selection of course content, in consultation with representatives of affiliating institutions.
2. The institution exercises primary responsibility in coordination of a classroom teaching and supervised clinical experience in simulated as well as in actual clinical facilities.
3. The institution appoints faculty to program based on established criteria for eligibility, including professional and academic qualifications.
4. The institution demonstrates evidence of sound financial support of the educational program on a current and continuing basis.
5. The institution receives and processes applications for admission to program.
6. The accepted applicants are enrolled as full or part-time students with all customary privileges for use of available student services and facilities.
7. The institution grants degree or certificate, or other official evidence of completion of program. Military medical departments are considered to be program sponsors although they may be affiliated with civilian educational institutions for the purposes of obtaining academic credit—so long as this does not jeopardize a university's accreditation status or transcend regional accreditation.

Adopted by the Committee on Allied Health Education and Accreditation, September 1977. This statement supercedes the document adopted by the AMA Council on Medical Education in 1973.

INSTITUTIONAL ACCREDITATION REQUIREMENTS FOR SPONSORING INSTITUTIONS

Sponsoring institutions shall be accredited or otherwise acceptable to the Committee on Allied Health Education and Accreditation.

Adopted by the Committee on Allied Health Education and Accreditation, January 1979, contingent on favorable review by the Panel of Consultants and the Review Committee Chairmen.

ACCREDITATION OF PROGRAMS OUTSIDE TERRITORIAL USA

Programs should be accredited outside the United States of America only if they are in territories, possessions, or protectorates of the United States. If programs seek to utilize affiliating institutions outside this jurisdiction, these affiliates should be considered individually by the review committee on the basis of their merits as an educational setting and their ability to provide a meaningful educational experience. The Committee on Allied Health Education and Accreditation (CAHEA) agreed to instruct those review committees involved to look to the US Federal government agency responsible for the particular area to provide financial assistance for accrediting these programs.

Adopted by the AMA Council on Medical Education, September 1972, and adopted by the Committee on Allied Health Education and Accreditation, October 1978

ACCREDITATION OF MILITARY ALLIED HEALTH PROGRAMS BY SERVICE

The Committee on Allied Health Education and Accreditation expressed (CAHEA) its willingness to accredit an entire educational program in a single allied health discipline conducted by a military service irrespective of whether the program is conducted at one or more locations. The following would apply:

1. An on-site team from the review committee will evaluate the appropriate educational program of each service at any or all of the locations at which the program is in operation.
2. If the team reports to the review committee that the educational program of that service for the particular educational program meets or exceeds the *Essentials* the review committee can recommend to the Committee on Allied Health Education and Accreditation that the program be accredited for that military service.
3. The Committee on Allied Health Education and Accreditation could then accredit the educational program for that military service and direct that it be so listed in the *Allied Health Education Directory* and individual listings of accredited educational programs for allied health occupations, with the institutions involved within the military services listed appropriately as affiliates.

Adopted by the AMA Council on Medical Education November, 1971, and adopted by the Committee on Allied Health Education and Accreditation October 1978

PROCEDURE, CRITERIA AND SUGGESTIONS REGARDING EXPERIMENTAL & INNOVATIVE PROGRAMS

POLICY STATEMENT

1. The Committee on Allied Health Education and Accreditation (CAHEA) actively encourages and supports the development and implementation of innovative or experimental approaches to allied health educational programs.
2. Innovative or experimental approaches are those which vary substantially from the traditional didactic or laboratory method, hence from the *Essentials* applicable to such programs.
3. Plans for such approaches must incorporate a statement of purpose, written objectives, assessability of performance, and methods of evaluation to assure educational quality and professional competence.

STANDARDS AND CRITERIA

To assure educational quality and professional competence there shall be:

A definition of purpose and a description of variation from tradition, referencing the *Essentials*

A statement of how the program variation meets the needs of the community of interests

A description of the program

Clear objectives expressed in evaluative terms

Demonstrated faculty leadership

Accountability for student interests

Administrative and advisory committee participation and support

Practitioner support

Budgetary support

Plans for evaluation and control

SUGGESTIONS

The following suggestions are designed to assist in interpretation of the standards:

1. There should be a clear definition of the purpose for the innovative or experimental approach to be developed including relevance to needs of students, the profession, and the community or region served.

   Example: Better utilization of instructional staff and/or resources.
   Recognition of previously acquired skills.
   Flexibility of scheduling.
   Meeting needs of other agencies (HSA, HMO, Data systems, etc.)
2. There should be a detailed plan for development, implementation, and evaluation of the approach, i.e., time schedule, placement in curriculum, policy and procedural changes, evaluation for credit, faculty involvement, resources, student activities, etc.
3. Educational objectives must be stated in such a way that the competence of the student can be assured. The same standards of achievement applied in the traditional approach must be utilized in the innovative approach *for comparative purposes*. In order to justify innovative approaches and experimentation, the competence of the student should equal or exceed that of the student in the traditional program.
4. Any new educational approach should be actively supported by the program faculty; who should be involved in planning, implementation, and evaluation of the new approach.

5. There should be active student participation in the planning of a new approach.
   Students should be encouraged to assist in planning to meet their individual needs.
   Activities may be designed to recognize and utilize skills previously acquired.
   Students should assist in evaluating each activity related to the new approach.
   Student-faculty communication and interaction should be encouraged.
6. Administrative support should be requested through the appropriate channels and documented.
   Any new approach should be presented to an advisory committee if appointed, and their reactions and recommendations should be documented in the committee minutes.
7. Practitioners and other health professionals involved in providing learning experiences for students should be involved in planning any new approach. Their support for the new approach should be assured.
8. The estimated cost of the new approach should be established and funding assured.
9. Plans for evaluation and control of the new approach should involve both students and faculty.
   The plans should be related to the objectives stated in 3. above and should include:
   concurrent monitoring
   terminal evaluation
   retrospective follow-up of graduates

Adopted by the Committee on Allied Health Education and Accreditation, January 1978

PROCEDURES FOR RECONSIDERATION OF CAHEA ACCREDITATION DECISIONS TO WITHHOLD OR WITHDRAW ACCREDITATION

ACCREDITATION PROCEDURE

In the process of providing a structure for coordinating, improving and developing a system for accreditation of educational programs for selected allied health professions, the Committee on Allied Health Education and Accreditation (CAHEA) cooperates with national medical specialty and allied health professional societies. The collaborating organizations sponsor review committees which assess educational programs' relative compliance with established *Essentials* and formulate recommendations concerning accreditation for consideration by CAHEA. As the coordinating body for these activities, CAHEA accredits the educational programs.

Upon receipt of an application for accreditation, which is signed by the chief executive officer of the program's sponsoring institution, the on-site evaluation of an educational program is arranged. As an integral part of its accrediting process, CAHEA requires of all applicant programs a self-analysis and an on-site review by a visiting team. Reevaluation of an accredited program is conducted at regular intervals thereafter or for cause. Only those programs which demonstrate substantial compliance with the published *Essentials* may be granted accreditation.

CAHEA periodically reviews its policies and procedures as well as those of the review committees to insure that policies and procedures are fairly applied and that evaluation is conducted and decisions are rendered under conditions that assure an impartial and objective assessment of the applicant program's compliance with the *Essentials*.

At the completion of an on-site evaluation, the visiting team meets with the chief executive officer of the institution or a representative and the director of the educational program being reviewed. Other administrative officers, faculty, and students may be present upon invitation from the chief executive officer or her/his selected representative. At this time the visiting team presents its findings to the representatives of the program and its sponsor for discussion and clarification, with full opportunity for exchange of additional information regarding any questionable or negative findings which have been noted.

Following the evaluation visit, a written report of the findings is provided to the program. Specific areas where the program may not be in full compliance with the *Essentials* are cited. The report also contains comments on areas of program strength and areas needing improvement.

The chief executive officer of the institution and the director of the program are offered an opportunity to comment on the findings and conclusions presented in the written report and to file supplementary materials with the review committee before it formulates its recommendation regarding the applicant program's merits for accreditation. The review committee studies the application, the report, and recommendations of the visiting team together with any additional information which may have been submitted by the applicant institution.

The recommendation of the review committee to CAHEA is based upon careful consideration of whether or not the program is in substantial compliance with the *Essentials*. If CAHEA does not accept the recommendation of the review committee, the matter is returned to the review committee with a request for reconsideration and a statement of the rationale for that request.

All recommendations of review committees regarding program accreditation are submitted to CAHEA for accreditation action. If the decision of CAHEA is to withhold or withdraw accreditation, the institution shall be notified promptly. All correspondence and notifications referred to herein shall be sent by certified mail, return receipt requested. Such notification shall include a specific statement of the reasons for the accreditation decision, and the procedure for filing a "request for reconsideration."

The decision of CAHEA to withhold or withdraw accreditation shall be final if a written request for reconsideration is not received by CAHEA within 30 days following the mailing of its notice to the program that accreditation was withheld or withdrawn.

If a written request for reconsideration is received by CAHEA within 30 days following the mailing of its notice to the program that accreditation was withheld or withdrawn, this will automatically say the decision to withhold or withdraw accreditation until the following procedures identified below have been completed.

PROCEDURE FOR RECONSIDERATION

If CAHEA withholds or withdraws accreditation from a program, the chief executive officer of the institution which sponsors the program may request of CAHEA an interview with representatives of the review committee which initiated the recommendation. The purposes of the interview are to exchange information and further clarify the findings pertinent to the decision of CAHEA. The institution's request for an interview should contain a concise statement of the reasons for contesting the accreditation decision.

The interview shall be held with representatives of the review committee and the requesting party as soon as practical, following the receipt of a written request for the interview. At least 20 days before the interview, the institution shall be notified of the time and place of the interview. The institution shall be provided with a copy of the evaluation report and any other supplemental material or information received from any source which contributed to the decision to withhold or withdraw accreditation from the program. The review committee shall issue its recommendations to CAHEA within 30 days following the interview. The actions of CAHEA shall be based on evidence presented in regard to the conditions which existed at the time of the latest on-site review by an evaluation team and information filed with the review committee prior to its most recent review of the application.

Should the interview for reconsideration result in a CAHEA action to rescind the decision to withhold or withdraw accreditation from the program, the institution will be notified promptly.

Should the interview for reconsideration result in a CAHEA action to sustain the original decision, the CAHEA action shall be final, unless formally appealed. The institution shall be notified promptly of the CAHEA action, the basis for that action, and the procedure for filing an appeal.

Under extraordinary circumstances and with mutual consent of the institution, CAHEA, or the review committee, the time limits specified above may be extended.

Adopted by the Committee on Allied Health Education and Accreditation, July 1979

PROCEDURE FOR HANDLING COMPLAINTS REGARDING ACCREDITED PROGRAMS

The following outline is a guide for handling complaints received by review committees, the Committee on Allied Health Education and Accreditation (CAHEA) and collaborating organizations which indicate that accredited programs, or programs which are seeking accreditation, may not be in substantial compliance with *Essentials* or may not be following established accreditation policies.

I. To receive formal consideration, all complaints shall be submitted in writing and signed.

II. Complaints shall be addressed to the chairman of the appropriate review body for consideration. Copies of this correspondence shall be shared with the chairman of CAHEA.

III. Following consultation among staff of the review committee and of CAHEA, the chairman of the review committee receiving the complaint shall determine whether the complaint relates to the manner in which the program complies with the *Essentials* or follows established accreditation policies.

  A. If the complaint does not relate to the *Essentials* or to established policies, the person initiating the complaint shall be notified accordingly by the review committee chairman. A copy of this correspondence shall be shared with the chairman of CAHEA.

  B. If the complaint is judged to relate to program compliance with the *Essentials* or to accreditation policies, the following shall be observed:

    1. The confidentiality of the complaining party shall be protected.
    2. The review committee chairman or her/his representative will acknowledge the receipt of the complaint and share with the filing party a description of the process and policies which pertain to handling such complaints.
    3. The review committee chairman or her/his representative shall notify the program director and the chief executive officer of the sponsoring institution of the substance of the complaint and shall request a preliminary investigation and report on their findings within 30 days of receipt of this letter of notice.
    4. The review committee chairman or her/his representative may request further information or material relative to the complaint from the complaining party, the institution, or other relevant sources.

IV. On receipt of the responses referred to in III, B, 3 and 4 above, the review committee shall consider the complaint and all relevant information obtained in the course of investigation and formulate an appropriate action according to the following guidelines:

  A. If the complaint is determined to be unsubstantiated or unrelated to *Essentials* or established accreditation policies, the complaining party, officials of the program in question, and the appropriate official of the sponsoring institution will be notified.

  B. If the investigation reveals that the program may not be or have been in substantial compliance with the *Essentials* or may not be or have been following the established accreditation policies, one of two approaches shall be taken.

    1. The program may submit a report and documentation demonstrating the manner in which the substantiated complaint has been corrected. Should the review committee be satisfied with this response, the program, its sponsoring institution, and the party filing the complaint should be notified of the committee's satisfaction with the resolution of the matter and notice that the program's accreditation status remains unaffected by the complaint; or
    2. Should the review committee judge the program or sponsoring institution's response to the complaint inadequate and lacking in evidence of the program's continuing substantial compliance with the *Essentials* or adherence to accreditation policies, the review committee may request and arrange for a return on-site evaluation of the program. The

purposes of the return on-site evaluation shall be limited to an investigation of the complaint and the manner in which it affects compliance with the *Essentials* or with accreditation policies. The cost of the return on-site evaluation is borne by the review committee.

a. Should the review committee, on evidence received through the return on-site evaluation, consider the program to remain in substantial compliance with the *Essentials* and in adherence with accreditation policies the program, its sponsoring institution, and the complaining party shall be notified of this assessment and the fact that the program's current accreditation status remains unaffected by the complaint.

b. Should the review committee consider the evidence of the on-site evaluation to indicate that the complaint is valid and that the program is not in substantial compliance with the *Essentials* or with accreditation policies, the review committee shall recommend a change in accreditation status to CAHEA.

V. Should IV, B, 2b pertain, all information regarding the complaint, a full report of its investigation, and the review committee's recommendation shall be transmitted to CAHEA for consideration and action.

VI. **The Committee on Allied Health Education and Accreditation emphasizes that it will not intervene on behalf of individuals, or act as a court of appeal for faculty members or students in matters of admission, appointment, promotion or dismissal. The Committee on Allied Health Education and Accreditation will intervene only when it believes practices or conditions indicate the program may not be in substantial compliance with the published *Essentials* or with established accreditation policies.**

Adopted by the Committee on Allied Health Education and Accreditation, October 1978

APPEALS HEARING PROCEDURE FOR ALLIED HEALTH PROGRAMS WHICH HAVE HAD ACCREDITATION WITHHELD OR WITHDRAWN

Criteria for and initiation of an appeal. If, following reconsideration, the Committee on Allied Health Education and Accreditation (CAHEA) sustains its initial action, the chief executive officer of an institution sponsoring a program which has had accreditation withheld or withdrawn by CAHEA may request a hearing before an appeals hearing panel. Appeals may be based only on the grounds that the CAHEA decision was 1) arbitrary, capricious or otherwise not in accord with its accreditation standards and procedures or 2) not supported by substantial evidence. The institution's request for a hearing shall be made in writing and include a concise statement of the basis on which the accreditation decision is being contested. The request shall be received by the secretary of CAHEA within 30 days after mailing of the CAHEA notice of its action to withhold or withdraw accreditation. All correspondence referred to herein shall be sent by certified mail, return receipt requested.

An appeal filed in accord with these procedures shall automatically stay the decision to withhold or withdraw accreditation until its final disposition. Institutions are entitled to the procedures described above only in the event of a CAHEA action to withhold or withdraw accreditation and not with respect to the duration of accreditation or to the granting of qualified or probationary accreditation.

Criteria for selecting an appeals hearing panel. An appeals hearing panel shall be composed of three individuals who are familiar with the accreditation process and who have a working knowledge of the *Essentials*, and the administration, and functional components of the specific type of program sponsored, e.g., community college, university, or hospital. No individual is eligible for membership on an appeals hearing panel who is or has been previously involved with the sponsoring institution or the particular accreditation activity under consideration or who is a current member of CAHEA, its Panel of Consultants or Special Advisors, the AMA Council on Medical Education, the respective review committee, or the governing body of a collaborating organization which sponsors the review committee.

Process for selecting an appeals hearing panel. A list of five individuals qualified to serve as members of an appeals hearing panel shall be prepared under the direction of CAHEA from recommendations submitted by the collaborating organization(s) that sponsor(s) the review committee responsible for the definitive evaluation of the program. The list of the five individuals shall be sent to the institution within 20 days of CAHEA's receipt of the notice of appeal. Within 10 days of receipt of the list, the institution shall select three individuals from the list to constitute the appeals hearing panel and shall notify the institution of the names of the persons selected.

Appeals hearing date and participants. The hearing shall be held as soon as feasible and within ninety (90) days after the selection of the appeals hearing panel. The members of the appeals hearing panel shall select one of their members as chairman. The chairman shall establish the time and place for the hearing in consultation with the chief executive officer of the institution appealing the accreditation decision. At least 30 days before the hearing, the institution shall be notified by the secretary of CAHEA of the time and place of the hearing and provided with a copy of the evaluation report and any other information which contributed to the decision to withhold or withdraw accreditation, including a specific statement of reasons for the accreditation decision. At hearings conducted before an appeals hearing panel, institutions may offer testimony and question any visiting team member or members who participated in the on-site review or evaluation of the program. At least 20 days before such a hearing, the institution shall request in writing the presence of any individual whom it wishes to question. Such requests shall be directed to the secretary of CAHEA.

Appeals hearing panel recommendation and final CAHEA action. The findings and recommendations of the appeals hearing panel shall be submitted by its chairman in writing to CAHEA within

30 days after the hearing date. The recommendation of the panel shall be based on the evidence presented to the review committee in regard to the conditions which existed in the program at the time of the latest on-site review by an evaluation team and on information filed with the review committee before its initial review of the application. The decision of CAHEA shall be final. The secretary of CAHEA shall be prompt in notifying the institution of CAHEA's decision. This notification shall contain a statement of specific reasons for the accreditation decision.

Financial responsibility for an appeals hearing. The institution making the appeal shall bear the expense involved in the development and presentation of its appeal. The expenses involved in the selection of the appeals hearing panel and arrangements for the time and location of the hearing shall be underwritten by CAHEA. Reasonable expenses directly associated with the hearing, such as those for the meeting room and for travel, meals, and lodging for members of the panel, shall be divided equally between CAHEA and the institution making the appeal. Reasonable expenses of witnesses directly associated with the hearing shall be borne by the party requesting their presence. If the appeals hearing panel, the appealing institution, or CAHEA requests a transcript of the hearing, the expenses shall be divided equally between CAHEA and the institution.

Extension of time limits. Under extraordinary circumstances, the time limits specified above may be extended with the mutual consent of the institution, CAHEA, and the appropriate review committee.

Adopted by the Committee on Allied Health Education and Accreditation, October 1978

CONTINUING EDUCATION FOR ALLIED HEALTH PROFESSIONS

The Committee on Allied Health Education and Accreditation (CAHEA) voted to approve the following statement on the Continuing Education Unit:

That the Continuing Education Unit (CEU), defined by the Council on the Continuing Education Unit, Inc. as *ten contact hours of participation in an organized continuing education experience under responsible sponsorship, capable direction and qualified instruction;* be recognized as an appropriate unit of measurement for allied health professionals, and that professional societies and certifying bodies be encouraged to adopt this mechanism for recording voluntary or required individual participation in continuing education activities.

Adopted by the AMA Council on Medical Education, November 1974, and adopted by the Committee on Allied Health Education and Accreditation, October 1978

APPENDIX C: GLOSSARY OF TERMS

Since 1971, the terms and working definitions in the following *Glossary of Terms* have been disseminated to many major national associations and Federal agencies concerned with allied health education. Early drafts of these definitions were disseminated to representatives of major national organizations and Federal agencies connected with allied health professions and services. Their responses were used in revising the definitions. Additional suggestions for improving these definitions or for adding other terms and definitions to the list are solicited and will be considered for future revisions. Send your suggestions to: Robert Parks, PhD, Assistant Director, Department of Allied Health Evaluation, American Medical Association, 535 N Dearborn St, Chicago IL 60610.

The terms are not arranged in alphabetical order, instead they are organized into clusters of terms which are mutually interdependent to clarify their meanings. In some instances, additional explanation has been appended (in italics) to expand on a particular point. An index of terms, in alphabetical order, concludes the glossary.

Therapy – a service or art directed toward the prevention or correction of bodily disorders and the enhancement of a sense of well-being through the use of prophalactic or remedial measures.

Therapist – one who possesses the professional knowledge and skills necessary for the administration of therapeutic services. Knowledge and skills for performing a broad range of therapeutic services are usually achieved through three or more years of academic preparation and a period of supervised practical experience.

Technician – one who specializes in the technical details of a subject; one who has acquired the ability to perform a complex task or set of tasks. These abilities and skills are usually acquired through formal educational programs of two years or less in length. Some of these skills and abilities may be acquired through preceptorial experiences.

Technologist – one who specializes in the application of scientific knowledge to practical and/or theoretical problems. Knowledge and skills for performing these functions are usually achieved through three or more years of academic preparation and a period of supervised practical experience.

> *In the health fields, there has not been a uniform distinction between a technician, a technologist and a therapist; in general, the technologist or therapist is the one who is expected to exercise more initiative and accept greater responsibility.*

*****

Certification – the process by which a nongovernmental agency or association grants recognition to an individual who has met certain predetermined qualifications specified by that agency or association.

Licensure – the process by which an agency of government grants permission to persons meeting predetermined qualifications to engage in a given occupation and/or use a particular title or grants permission to institutions to perform specified functions.

Registration – the process by which qualified individuals are listed on an official roster maintained by a governmental or non-governmental agency.

> *Historically, this term has been used synonymously with the current definitions of "certification." However, the term certification should be used when attesting to a certain level of professional competency; registration is more appropriately the process by which the certified or licensed individuals are listed on an official roster.*

*****

Health Services – services available for maintaining, restoring or improving the condition of being sound in body and mind.

> *The word "health" unmodified is non-specific. It can be either good or bad. Health has mental and physical components with a varying amount of interrelationship between the two. Both mental and physical health are influenced by many factors, including environment, education, housing, and civil rights (or lack of them), and to a very great degree by economic status.*

Medical Services – services provided to the individual for the maintenance and restoration of health and the prevention of disease.

Allied Medical Personnel – individuals who work under the general supervision or direction of a physician in providing medical services to members of the public while exercising independent judgment within their areas of competence.

Allied Health Personnel – a broad category of personnel which includes professional and supporting workers in the fields of patient care, public health and health research who assist independent practitioners in providing health services.

> *All allied medical personnel are also allied health personnel.*

*****

Instruction – includes the activities dealing directly with teaching students and with improving the quality of teaching.

> *Teaching, the major aspect of instruction, may be provided for students in a classroom of an educational institution or in another location such as in a home or hospital; it may be provided by direct student-teacher interaction or through some other recognized medium such as television, radio, telephone and correspondence. The purpose of instruction is to enhance learning. One might consider that the curriculum is what is taught, and instruction is how it is taught.*

Course (discrete) – an orderly series of instructional activities dealing with a subject, in which learning experiences are structured to accomplish the educational objectives established for the course. A structure in which each subject-matter area segment is taught as an entity without special effort at articulation or correlation with other subject-matter areas or segments.

Correlated Courses – a structure in which two or more subject-matter areas or segments, taught during the same school term to many of the same students, are articulated in such a manner that the relationships of the subject-matter areas are made a part of the instruction without destroying the identity of the respective subject-matter areas. Any course or section with which a given course or section is correlated may be specified.

Curriculum – a set of courses offered by an educational institution or one of its branches. It is associated with planned interaction of students with the instructional *content*, instructional *resources* and instructional *process* for the attainment of predetermined educational objectives.

Program – a structure designed to provide students with the knowledge and skills needed to work in a specific job or to improve their competence in that job. It includes the curriculum as well as the administrative support required to implement the sequence of educational and skill-development experiences identified in the curriculum plan.

School – a division of an educational system consisting of students comprising one or more identifiable groupings organized as one unit with an appropriate number of properly qualified instructors and housed in a building or buildings organized under a single administration. An educational system can often be classified into six levels of organization:

1. the school system as a whole, which may consist of multiple educational institutions throughout a city, county, district or state and which are supervised by an official board selected for that purpose;
2. an individual university, college (offering multiple career opportunities) or school administered by a president or similar chief executive officer;
3. a subdivision of a university or college, usually called a college or school, headed by a dean or similar administrative officer;
4. a program of study within a college or school, headed by a program director;
5. a general self-contained class, course or co-curricular activity led by a senior faculty member; and
6. a special section or an instructional service activity led by a faculty member.

*****

Skill – the ability to use one's knowledge effectively and readily in execution or performance; a learned power of doing a thing competently.

Affective – relating to, arising from, or influencing feelings or emotions.

Cognitive – relating to the act or process of knowing or perceiving.

Psychomotor – of or relating to muscular action believed to ensue from prior special conscious mental activity; purposeful motor action of one or more parts of the body.

*****

Unit – a single quantity regarded as a whole in calculation; a part of any instructional course focusing on a central theme and making use of resources from numerous areas and the students' own experience.

Module – a unit of learning which deals with a specific topic or concept and may be used in one or more courses.

Basic Modules – instructional units that foster the development of affective, cognitive and psychomotor domains of human behavior which are common to essentially all persons successfully engaging in a particular field of activity, e.g., providing health-care services to the public.

Common Modules – instructional units that foster the development of affective, cognitive and psychomotor domains of human behavior which are common to persons successfully engaging in two or more special areas within a particular field of activity, e.g., physical therapy and occupational therapy.

Special Modules – instructional units that foster the development of affective, cognitive and psychomotor domains or human behavior which are peculiar to persons successfully engaging in one occupational category.

*****

Clinical Education/Initial Directed Field Work – planned learning experiences assigned as an integral part of didactic courses for the purpose of initial and basic experiences in directed observation and participation in selected practical activities.

> *The student is confronted with individual cases or problems, the identification and solution of which involve the application of principles and theory under the guidance of an experienced teacher. In the early phase of clinical education or initial directed field work, emphasis is on experiential learning as opposed to performance.*

Clinical Experience/Field Work – that portion of an educational program during which the student is provided opportunities to apply academically acquired knowledge in a real work situation applicable to his or her field of preparation.

> *Students are scheduled to participate in planned activities during specific blocks of time. The emphasis is on gaining skill in performing the basic procedures used in the field and on dealing with a variety of situations that are likely to be encountered on the job. Supervision must be provided by qualified, competent personnel; students need and expect close supervision and guidance during the early phase of this activity, but the supervision should become more remote as the student demonstrates an acceptable level of competence in handling the responsibilities assigned.*
>
> *In general, a sharp distinction cannot be made between "education" and "experience" in relation to helping students develop competence in the practical aspects of their field of preparation. However, the word "education" is used to imply that the major focus is on gaining knowledge, skill and attitudes through instruction, whereas the word "experience" is used to imply that the major focus is on gaining these through direct participation in events. Of course, these events may be directed and learning of specific things is the expected outcome in both situations.*

Practicum – an extended period of full-time experience (weeks or months) in professional practice during which the student tests and reconstructs the theory which he or she has learned and during which expertise is sought.

> *The minimum length of time is often specified by a credentialing agency but should be sufficient for the student to achieve the identified competencies for the practicum period. It provides an opportunity for the student to assume major responsibility for the full range of duties in a real health care situation under the guidance of qualified personnel from the educational institution and from the affiliating health care facility or agency. It presupposes the learning experiences included in all other professional studies; it is not a substitute for them. It is a more complete and concrete learning activity*

than laboratory and clinical education or directed field work. Practicum in most situations is a type of internship.

*****

Health Education – the process of informing and motivating people to adopt a pattern of behavior and life style which will safeguard and improve their own health so that life is enriched as well as prolonged.

Patient Education – health education aimed at a specific audience of patients.

Health Career Education – education aimed at preparing individuals for entry into health-care occupations or at improving work competencies of such individuals.

*****

Accreditation – the process whereby a private, non-governmental agency or association grants public recognition to an institution or specialized program of study which meets certain established qualifications and educational standards, as determined through initial and subsequent periodic evaluations. It shall apply only to institutions and their programs of study or their services.

> *The primary purpose of the accreditation process is to provide a professional judgment as to the quality of the educational institution or program and to encourage its continued improvement, thereby protecting the public against professional or occupational incompetence of its graduates.*

Institutional Accreditation – applies to the total institution and signifies that the institution as a whole is achieving satisfactory educational objectives.

Program Accreditation – applies to a particular program or specialized study and signifies that the institution sponsoring the program provides, along with any necessary affiliates, the instructional resources and planned learning experiences specified in the educational *Essentials.*

On-site Evaluation – the first hand assessment, by representatives of an accrediting agency, of the extent to which an educational program fulfills the requirements for accreditation as described in the *Essentials.*

> *The primary function of the evaluation team is to verify the accuracy and completeness of the information supplied by the program applying for accreditation, or for the continuation of this status. An important secondary function of the team is to suggest possible improvements in the program.*

Approval – to give formal or official recognition to an educational program.

> *Governmental agencies or the governing body of a school system may approve the development of a particular type of program in a given institution or locality; a non-governmental agency accredits those programs which are found to comply with specific national standards.*

Recognize – to acknowledge formally, as to admit as being of a particular status.

> *For example, the US Commissioner of Education and the Council on Postsecondary Accreditation (COPA) each "recognize" accrediting agencies which they have determined to be reliable authorities concerning the quality of education or training offered by educational institutions or programs.*

Essentials – the minimum requirements for accreditation of an educational program by the Committee on Allied Health Education and Accreditation in collaboration with other appropriate national organizations representing the particular field.

> *These requirements are developed jointly with input from educational institutions and the particular occupational groups affected before being adopted by the policy-making bodies of each organization involved in the accreditation process. Any requirement to which a program is being held accountable by the accrediting agency must be specified in the* Essentials. *The auxiliary verbs used in the wording of these requirements are "shall" and "must."*

Guidelines – explanatory statements which amplify the *Essentials* or which provide examples of how the requirements may be interpreted to allow for flexibility, yet remain within the framework of the *Essentials.*

> *The auxiliary verbs used in the wording of guidelines are "should" and "may."*

*****

Academic Equivalency Testing – the comprehensive evaluation of an individual's knowledge, skills and personal attributes acquired through alternate experiences in relation to those developed through the formal program of the educational institution.

Job Proficiency Testing – the comprehensive evaluation of an individual's minimum basic knowledge, skills and personal attributes required for proficient performance at the entry level of a specific practitioner position in a given field.

Competent – having requisite or adequate ability.

> *PROFICIENT implies a thorough competence derived from training and practice; ADEPT implies special aptitude as well as proficiency; SKILLED stresses mastery of technique; SKILLFUL implies individual dexterity in execution or performance; EXPERT implies extraordinary proficiency and often connotes comprehensive knowledge as well as technical skill.*

Evaluate – to determine the significance or worth of by careful appraisal or study.

Appraisal – to evaluate the worth, significance or status of, especially to give an *expert* judgment of the value or merit.

Analysis – the separation of a whole into its component parts; an examination of a complete subject, its elements and their relationships.

Assessment – a determination of importance, size or value.

Study – a careful examination or extended consideration of a subject, problem, development or phenomenon.

*****

Element (of a task) – the smallest step into which it is practical to subdivide any work activity without analyzing separate motions, movements and mental process involved.

Task – one or more elements. A task is created whenever human effort, physical or mental, is exerted to accomplish a specific purpose. It is one of the distinct activities that constitute logical and necessary steps for the performance of work by the worker.

Position – a collection of tasks constituting the total work assignment of a single worker. There are as many positions as there are workers in the country.

Job – a group of positions which are identical with respect to their major or significant tasks and sufficiently alike to justify their being covered by a single analysis and description. There may be one or many persons employed in the same job.

*****

Cluster – a number of similar entities collected or grouped closely together.

Cluster of Occupations – occupations in which a significant proportion of the tasks performed are similar enough to enable a given practitioner to do some of the work of another with very little additional preparation.

> *Occupations comprising the cluster are those requiring the largest number of common elements in such areas as equipment, communications, computation, materials, related information or processes, and cognitive and manipulative skills.*

Occupational Competence – includes technical knowledge and skills, manipulative skills, communication skills, human relations skills, and work habits, and the ability to solve problems, to think independently, and to make judgments necessary for satisfactory employment in the occupation.

Career – a field for or pursuit of consecutive progressive achievement, especially in public, professional or business life; an occupation for which one engages in special preparation and for which one seeks employment on a continuing basis.

Career Ladder – a sequence of promotional steps that link jobs which ideally should be related in the same job family.

> *The ladder concept permits an employee to build from his or her current education and experience in order to advance to the next step. It is most probable that promotional lines in career ladders are not achieved without provision of formal educational programs as well as any relevant on-the-job training.*

Career Mobility – the availability of opportunities for individuals employed in a particular job to move without undue restrictions to: 1. a similar job available in a different geographical location (geographical mobility); 2. a job with increased responsibility within the same or a similar setting (vertical mobility); or 3. a job in a related occupation which requires similar knowledge and skills (lateral mobility).

Assistant to the Primary Care Physician – a person qualified by academic and clinical training to provide patient services under the supervision of a licensed doctor of medicine who is responsible for the performance of that assistant.

> *The functions of the primary care physician for which the assistant works are interdisciplinary in nature, involving medicine, surgery, pediatrics, psychiatry, and obstetrics.*

Primary Care Physician – a physician whom the public generally contacts directly, and whose practice is characterized by a broad scope of medical services, including the management of slowly progressive and chronic illnesses, preventive and emergency services, and personal and family counseling.

> *It is also recognized that the primary care physician is often the one to whom a patient turns for counseling on personal life situations as well as with concerns about illness or injury. It is in the common problems above that the assistant to the primary care physician should receive basic preparation and skills.*

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Medical Laboratory
Histologic Technician
Medical Laboratory Technician *(Certificate)*
Medical Laboratory Technician *(Associate Degree)*
Medical Technologist
National Accrediting Agency for Clinical Laboratory Sciences

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Medical Record
Medical Record Technician
Medical Record Administrator
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Nuclear Medicine
Nuclear Medicine Technologist
Joint Review Committee on Educational
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Occupational Therapy
Occupational Therapist
Accreditation Committee of the American Occupational Therapy Association

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Ophthalmic Medical Assisting
Ophthalmic Medical Assistant
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Physical Therapist
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Physician's Assistant
Assistant to the Primary Care Physician
Surgeon's Assistant
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Radiology
Radiographer
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Respiratory Therapy
Respiratory Therapy Technician
Respiratory Therapist
Joint Review Committee for Respiratory Therapy Education

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Specialist in Blood Bank Technology
Specialist in Blood Bank Technology
Subcommittee on Accreditation of the American Association of Blood Banks

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Surgical Technologist (Operating Room Technician)
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APPENDIX E: DESCRIPTION OF MILITARY ALLIED HEALTH COURSES

Allied health educational courses offered by the Army, Navy, and Air Force are briefly described on the following pages. This list describes most of the allied health courses offered by the military, and therefore includes some courses which are not part of programs accredited by the Committee on Allied Health Education and Accreditation (CAHEA). Additional information on these and other military allied health courses may be obtained by writing to the military representatives who function as CAHEA's "Special Advisors" on military allied health matters, or to the Offices of the Surgeons General of the Army, Navy, and Air Force in Washington, DC. The addresses of the Advisors may be found in Section I, Allied Health Issues and Concerns, under Cooperative Efforts.

Locations of military allied health educational programs accredited by CAHEA, and information about academic credit for military allied health educational programs, may also be found in Section I.

US Army Educational Programs

Course Title: **Allergy/Clinical Immunology Specialist**

Length: 8 weeks

Objective: To provide instruction for medical and patient care specialists in the specialized field of allergy-immunology in order to qualify them for award of the Additional Skill Identifier (ASI) Y8, Allergy/Clinical Immunology.

Scope: Under the supervision of a physician, trains students to prepare allergen extract prescriptions, conduct diagnostic procedures, and administer treatment for patients utilizing basic and advanced sciences of allergy-immunology in a clinical practicum/rotation environment. Also provides instruction in administrative tasks, to include maintenance of records and supply procedures.

Course Title: **Automated Military Outpatient System Training (AMOSIST)**

Length: 12 weeks

Objective: To perform the following: (1) Evaluate any sick or injured patient as to his or her general condition and traige the patient to the appropriate clinic. (2) Under the direct supervision of a physician, evaluate and arrive at a presumptive diagnosis, and treat any patient referred to the AMIC in accordance with the algorithms provided in the AMOSIST manual. (3) Under the supervision of an AMOSIST, M.D. perform the duties of an AMOSIST, to include maintaining good interpersonal relations with patients as well as applying the skills described in the previous objectives.

Scope: The course of training consists of three phases: Phase I—two weeks at the Academy of Health Sciences, Fort Sam Houston, Texas. Phase II—three weeks at selected Army Medical Department facilities. Phase III—seven weeks at the organization to which the AMOSIST is assigned.

Course Title: **Basic Medical Specialist**

Length: 6 weeks

Objective: To provide training in basic tasks involved in providing medical care services in the field and in fixed medical facilities.

Scope: The training program stresses emergency medical care and basic nursing tasks. Studies include surveying and triaging casualities; controlling shock; splinting fractures; controlling bleeding; protection of wounds; treatment of environmental injuries; artificial resuscitation; other basic tasks to include measuring and recording vital signs; patient hygiene and safety; maintaining asepsis; administering injections and starting intravenous therapy.

Course Title: **Behavioral Science Specialist**

Length: 10 weeks

Objective: To provide basic knowledge and skills necessary for supervised job performance in interviewing, psychological testing, command consultation, and community agency referrals. Such basic knowledge includes requisite information on functioning in a variety of settings to include drug and alcohol abuse programs, Mental Hygiene Consultation Services, hospital-based Social Work and Psychology Services, correctional programs and Army Community Services. The Behavioral Science Specialist, through the application of acquired knowledge and skills, must be able to identify common behavioral and situational problems and assist the professional staff in the client treatment programs.

Scope: The course of training consists of three areas of concentration: (1) Basic Behavioral Concepts, (2) Psychopathology, and (3) Interviewing. This ten-week program includes more than two weeks of intensive interviewing training with simulated clients.

Course Title: **Biomedical Equipment Maintenance**

Length: 19 weeks

Objective: To train and qualify warrant officer and enlisted personnel in the installation, inspection, maintenance, repair, calibration and adjustment of mechanical and electromechanical biomedical equipment (less electronic components).

Scope: The course of training consists of 19 weeks of training in the following major subject areas:

Algebra	34 hrs
Electricity	136 hrs
Anatomy and physiology	30 hrs
Medical terminology	30 hrs
Biomedical equipment maintenance	375 hrs
Maintenance management	30 hrs
Human relations	30 hrs

During this training, the student is taught fundamentals of electricity necessary for a logical and systematic troubleshooting approach to the maintenance and repair of mechanical and electromechanical biomedical equipment. He is also taught preventive maintenance procedures, assembly and disassembly, equipment hazards, and required biomedical equipment safety parameters

Course Title: **Biomedical Electronic Equipment Maintenance**

Length: 35 weeks/3 days

Objective: To train and qualify warrant officer and enlisted personnel in the installation, inspection, maintenance, repair, calibration, and adjustment of biomedical electronic and ancillary electronic equipment and management skills essential to maintain activity supervision. MOS for which trained: Warrant Officer: Medical Equipment Repair Technician (202A). Enlisted: Biomedical Electronic Equipment Repairman (35S20).

Scope: This course training consists of the following phases and major subject areas:

Electronic theory	15 weeks
Preliminary biomedical radiographic equipment	5 weeks
Preliminary biomedical electronic equipment	5 weeks
Advanced biomedical equipment—INVIVO	5 weeks
Advanced biomedical equipment—INVITRO	5 weeks
Maintenance management	1 week

This training provides the student with knowledge of advanced electronic theory as applicable to modern biomedical electronic equipment used in all AMEDD health care facilities. The student is also taught advanced methods of electronic troubleshooting to permit him to maintain AMEDD equipment. The student is taught how to operate, repair, and calibrate biomedical electronic equipment in accordance with current regulations.

Course Title: **Biomedical X-Ray Equipment Maintenance**

Length: 35 weeks/3 days

Objective: To train and qualify warrant officer and enlisted personnel in the installation, inspection, maintenance, repair, calibration, and adjustment of biomedical x-ray and ancillary x-ray equipment and management skills essential to maintenance activity supervision. MOS for which trained: Warrant Officer: Medical Equipment Repair Technician (202A). Enlisted: Biomedical X-Ray Equipment Repairman (35T20).

Scope: This course of training consists of the following phases and major subject areas:

Electronic theory	15 weeks
Preliminary biomedical radiographic equipment	5 weeks
Preliminary biomedical electronic equipment	5 weeks
Advanced radiographic equipment	5 weeks
Poly-phase radiographic equipment	5 weeks
Maintenance management	1 week

This training provides the student with knowledge of advanced electronic theory as applicable to modern biomedical radiographic equipment used in all AMEDD health care facilities. The student is also taught advanced methods of electronic troubleshooting to permit him to maintain AMEDD equipment. The student is taught how to operate, repair, and calibrate biomedical radiographic equipment in accordance with federal regulations now in effect.

Course Title: **Cardiac Specialist**

Length: 4 weeks

Objective: To provide enlisted personnel with a basic knowledge of principles and techniques related to the care and treatment of cardiac patients to include: assisting the physician and/or Cardiologist; conducting electrocardiographic examinations and diagnostic tests commonly requested by the Cardiologist. To introduce enlisted specialists to the basic function of the non-invasive studies to include: vectorcardiography, phonocardiography, apexcardiography, echocardiography, dynamic ECG (Holter), and exercise testing. To define the role of the cardiac specialist team and the function of each member.

Scope: Anatomy and physiology of the chest and the heart; pathological conditions; responsibilities in certain acute emergencies and medical conditions; electrocardiographic testing; performing operator-level maintenance on EKG machines; ethical behavior required when working with patients; administrative principles and procedures applicable to the operation of an EKG outpatient facility.

Course Title: **Clinical Specialist (Primary Technical)**
(To be redesignated: Patient Care Specialist)

Length: 16 weeks

Objective: To train personnel to perform efficient, effective nursing care procedures in the care and treatment of acutely, seriously and chronically ill patients in hospitals, clinics, and other field treatment facilities of the US Army.

Scope: The basic training required for entry into this program is successful completion of the Basic Medical Specialist Course. This training program includes basic nursing skills such as observation of signs and symptoms, catheterizations, inserting nasogastric tubes, admitting and discharging patients, basic hygiene activities for patients, etc. Also included are ambulatory health care, basic administration and leadership skills.

Course Title: **Clinical Specialist (Basic Technical)**
(To be designated: Patient Care Specialist)

Length: 40 weeks

Objective: To train personnel to assist in performing preventive, therapeutic and emergency care of patients in hospitals, clinics and other field treatment facilities of the US Army.

Scope: The basic training required for entry into this program is successful completion of the Clinical Specialist (Primary Technical) Course. This training program includes anatomy and physiology, pharmacoloty, nutrition, selected nursing care procedures, medical surgical nursing, maternal and newborn care, pediatric care, mental health and mental hygiene, preventive medicine, health teaching, ambulatory care, emergency medical care and mass disaster casualty treatment, and administration and management techniques.

Course Title: **Dialysis Technician**

Length: 20 weeks

Objective: To provide instruction and clinical experience for patient care specialists in the areas of hemodialysis and peritoneal dialysis treatment in order to qualify them for award of the Additional Skill Identifier (ASI) M3, Dialysis Technician.

Scope: Provides knowledge and skills required to perform safe and effective hemodialysis and peritoneal dialysis treatment to include: establishment of an access site; initiation, maintenance, and termination of the dialysis procedure; identification, interpretation and correction of technical and patient complications; and maintenance of dialysis supplies and equipment. Latest mechanical advances in dialysis techniques and equipment are presented as well as nursing principles which apply to dialysis patients and the patho-physiology of renal disease and aspects of psychological support required by these chronically ill patients.

Course Title: **Ear, Nose & Throat (ENT) Specialist**

Length: 13 weeks

Objective: To provide enlisted personnel with a basic knowledge of principles and techniques related to the care and treatment of ENT patients, to include: assisting the physician and/or audiologist; conducting audiometric examinations and diagnostic tests; administering prescribed medications; and applying first aid procedures.

Scope: Anatomy and physiology of the ear, nose, and throat; pathological conditions; ENT equipment; responsibilities in certain acute emergencies and medical conditions; audiometric testing for hearing loss; specialized diagnostic testing; supply and medical records.

Course Title: **Environmental Health Specialist**

Length: 15 weeks

Objective: To perform the following: (1) Sampling and surveys to identify sanitary deficiencies of a bacteriological, chemical, physical, or plumbing nature in proposed or established water supplies. (2) Perform surveys to identify sanitary deficiencies in solid waste disposal practice and recommend corrective action. (3) Perform surveys to identify sanitary deficiencies in field liquid waste disposal systems and recommend corrective actions. (4) Inspect garrison and field food service facilities, mobile food service units, and vending machines for compliance with sanitary standards and make appropriate recommendations for correction of deficiencies. (5) Collect, identify, preserve, and ship medically important arthropods. (6) Perform pest control procedures, to include selection, safe handling, mixing, application, and disposal of pesticides, and operation/maintenance of control equipment. (7) Collect samples and specimens for environmental pesticide monitoring. (8) Collect data and samples and perform selected measurements in support of Army occupational health/industrial hygiene program.

Scope: The course of training consists of 15 weeks of training at the Academy of Health Sciences, Fort Sam Houston, Texas.

Course Title: **Eye Specialist**

Length: 13 weeks

Objective: To provide enlisted personnel with a basic knowledge of eye care, to include: applying general principles and techniques related to the care and treatment of eye patients; assisting the physician and/or optometrist in the care and treatment of eye patients; conducting visual measurements and diagnostic tests; administering prescribed medications; and performing first aid procedures.

Scope: Anatomy and physiology of the eye; pathological conditions; eye equipment; responsibilities in certain acute emergencies and medical conditions, visual acuity and diagnostic testing; optical repair, fitting and dispensing; supply and medical records.

Course Title: **Medical Laboratory Specialist**

Length: (Basic) 15 weeks; (Advanced) 50 weeks

Objective: Basic Course: to provide enlisted personnel with a working knowledge of basic techniques and principles of medical laboratory procedures. Advanced Course: to provide experienced enlisted laboratory personnel with a working knowledge of sophisticated medical laboratory technology and with the technical competence necessary to function as non-commissioned officers in charge of military medical laboratories.

Scope: Basic Course: basic methodology and equipment used in hematology, blood banking, clinical chemistry, parasitology, bacteriology, serology and urinalysis. Advanced Course: theoretical and practical instruction in histo-pathological techniques, cytology, virology, mycology, toxicology, laboratory supply and management, and advanced studies in hematology, immunohematology, clinical chemistry, immunology, parasitology, bacteriology, and urinalysis.

Course Title: **Medical Records and Reports**
(See Patient Administration Specialist)

Course Title: **Medical Supply Specialist Course**

Length: 5 weeks/3 days

Objective: To produce competent, functional medical supply specialists at the apprentice level and provide them with a working knowledge of the medical materiel management procedures employed within the US Army Medical Department.

Scope: The student is taught to read, interpret and use supply catalogs and various directives pertaining to medical material management. Instruction is provided in property control procedures, methods for accounting for in-use equipment, requesting supplies, maintenance of registers, property records and other files. Stock accounting and inventory management techniques to include computation of stockage levels and reorder points are covered. Special emphasis is placed on the storage of medical materiel and the conduct of a materiel quality control program.

Course Title: **Occupational Therapy Specialist**

Length: 25 weeks

Objective: To provide students with general knowledge of the physical and behavioral sciences and working knowledge of the principles, concepts, and skills utilized in occupational therapy which will qualify them to assist the occupational therapist in implementing prevention and health maintenance, remedial and daily life tasks and vocational adjustment programs.

Scope: The course is designed to provide the student with the knowledge and skills for entry-level performance. The course is organized into a six-week occupational therapy-physical therapy core where the focus is on the internal systems of the body and mind to include systems structures and functions as well as associated disease processes. An 11-week occupational therapy track follows with an emphasis upon the application of occupational therapy in the treatment of disease/disability and on the development of the patient's skill competencies relative to age/role expectations. Included also is instruction in the occupational therapy media from the perspectives of health and disease. In addition to a 48-hour Level I Field Work Experience in local civilian medical facilities, an eight-week Level II Field Work Experience (selected military hospitals) in the two major areas of mental health and physical function follows the completion of the track portion of the course.

Course Title: **Operating Room Specialist**

Length: 12 weeks

Objective: To enable enlisted personnel to display the basic skills and abilities (qualified by didactic and clinical training) to provide services in the operating room under the responsibility and supervision of the operating room supervisor. To exhibit basic skills in the application of aseptic surgical techniques that qualifies the technician to prepare material for use in the operating room and throughout the hospital.

Scope: The program includes the fundamentals of operating room technique with emphasis on principles in the nursing care of the patient, basic functioning and structure of the major anatomic system, and care, preparation and maintenance of supplies and equipment for surgery.

Course Title: **Optical Laboratory Specialist**

Length: 21 weeks

Objective: To provide the student with a working knowledge of ophthalmic optics, ocular anatomy and physiology, optical laboratory supply and administration, and optical laboratory procedures sufficient to completely fabricate and dispense prescription spectacles.

Scope: This course training consists of the following phases and major subject areas:

Ophthalmic optics	71 hrs
Anatomy and physiology	6 hrs
Optical laboratory supply and administration	8 hrs
Optical laboratory procedure—phase I	67 hrs
Optical laboratory procedure—phase II	244 hrs
Optical laboratory production	273 hrs
Supplemental instruction and evaluation	87 hrs

It is during this training that the student is taught all aspects of spectacle fabrication which include basic optical theory and mathematics, interpretation of spectacle prescriptions, computations for spectacle fabrication, actual spectacle fabrication, operation of fabrication equipment, and administrative procedures. Upon completion of this training, the Optical Laboratory Specialist is assigned to one of the AMEDD optical fabrication facilities.

Course Title: **Orthotic Specialist**

Length: 52 weeks

Objective: To provide enlisted personnel with a basic knowledge of orthotic appliances to include: fabricating and fitting lower extremity, upper extremity, and spinal appliances commonly prescribed by the orthopaedic physician. To introduce enlisted specialists to basic diseases and injuries considered in orthopaedic practice including physical, congenital and infectious causes of orthopaedic disability. To define the role of the orthopaedic team and the function of its members.

Scope: Student is given 20 weeks of intensive training at the Academy of Health Sciences in academic subjects and fabricating and repairing of orthotic appliances. He is also instructed in working with patients and management of an orthotic facility. He then moves to one of five US Army Medical Centers to complete 32 weeks of training in actual bench fabrication, completing a course of one year's duration. The total course is accredited for 46 hours of college credit at Incarnate Word College, San Antonio, Texas.

Course Title: **Patient Administration Specialist**

Length: 8 weeks

Objective: To train enlisted personnel to perform medical records administrative and clerical procedures.

Scope: The training program stresses the preparation, processing, and review of medical records and reports and general administrative record keeping procedures. Course studies include familiarization with medical terminology. The instructional program is designed to provide the graduates with a sufficiently broad background to suit the various types of medical service units in which they may work.

Course Title: **Pharmacy Specialist**

Length: 17 weeks

Objective: To provide enlisted personnel with sufficient knowledge of drugs, including their sources, methods of preparation, uses and doses, to enable them to perform the duties of a pharmacy specialist.

Scope: Students receive instruction in hospital pharmacy practice, pharmaceutical chemistry, pharmaceutical calculations, physiology and pathology, pharmacology, and general pharmacy. Selected students receive more intense instruction on the principles of preparing sterile products. Instructional material is presented so that the areas of instruction relate to each other as closely as possible. Direct practical experience is gained in the general pharmacy and hospital pharmacy laboratories.

Course Title: **Physical Therapy Specialist (Basic)**

Length: 27 weeks

Objective: To train enlisted personnel to perform or assist in the performance of physical therapy procedures utilized during the treatment of patients.

Scope: Introduction to the delivery of health care, the mission and organization of physical therapy, and the role of the physical therapy specialist. Program of instruction is designed to provide background knowledge in mechanisms of normal movement and functions of the human body and considerations of how these are altered in selected congenital, traumatic, and pathological states; a working knowledge of therapeutic activities used to prevent and to help alleviate functional disabilities; a general knowledge of the impact of psychosocial problems in the rehabilitation process; and basic concepts of oral and written communications used to disseminate needed information to health team personnel; a general knowledge of the mechanisms of delivery of health care, the delegation of patient care activities, and the interpersonal relationships involved.

Course Title: **Physician's Assistant**

Length: 49 weeks Phase I-Didactic Training
52 weeks Phase II-Clinical Practicum Training

Objective: To provide proper education and experience to prepare graduates to assist physicians in examining, evaluating, diagnosing and treating diseases and injuries; performing histories, physical examinations, designated diagnostic and therapeutic procedures; interpreting medical findings and referring patients to supervising physicians.

Scope: Major areas of study are: anatomy and physiology, medical terminology, human growth and development pharmacology, clinical laboratory procedures, radiology, biochemistry and clinical chemistry, clinical medicine and surgery, physical diagnosis, psychiatry, electrocardiography and patient evaluation.

Course Title: **Psychiatric Specialist**

Length: 12 weeks

Objective: To assist the nurse in providing psychiatric patient care: (1) Perform managerial, clerical and security duties as required on the psychiatric unit. (2) Identify, prepare and administer medications as required on a psychiatric unit; list and report side effects. (3) Interact with psychiatric patients; observe, assess, report and record their behavior and communication. (4) Assist in therapies used in the care and treatment of psychiatric patients. (5) Evaluate and fulfill the physical and psychological nursing needs of psychiatric patients.

Scope: This bi-service program, Army/Navy, provides six weeks of classroom instruction and six weeks of closely supervised clinical training to enlisted men and women who have completed a basic hospital corpsman course. Phase I, the formal didactic or the classroom portion for both services, is provided at the Academy of Health Sciences, Fort Sam Houston, Texas. Phase II, the clinical training for Army students, is provided at selected military and civilian San Antonio vicinity facilities; Navy students are provided this training at Naval Regional Medical Centers at Oakland, California, and Portsmouth, Virginia.

Course Title: **Respiratory Specialist**

Length: 32 weeks

Objective: To provide enlisted personnel with a knowledge of aerosol/humidity therapy, ventilation therapy, pulmonary function testing, infectious control, cardiopulmonary drug administration and critical patient care performed under the supervision of a Medical Corps officer.

Scope: This course of instruction consists of two phases: Phase I—consists of 15 weeks of academics given by both Academy and school staff instructors. This is the theory presentation areas with some experience of practical training. Phase II—consists of 17 weeks of clinical experience under the direct supervision of a qualified instructor. This area gives the student the experience of caring for critically ill patients and the usage of respiratory care equipment in actual situations.

Course Title: **Special Forces Aidman (Airborne)**

Length: 19 weeks

Objective: To train medical aidmen in the specialized procedures and techniques necessary to assume their duties and responsibilities as required in providing direct patient care services in the field and at special forces units providing medical care services.

Scope: The training program includes studies of the anatomical and physiological functions of the human body, familiarization with pharmacology, basic combat psychiatry, and the fundamentals of preventive medicine. Instruction is provided in etiology, symptomatology, and general treatment of both routine and emergency medical and surgical conditions; familiarization with laboratory procedures including urinalysis, hematology, microbiology, and parasitology; and nursing procedures. Special forces aidmen are also instructed in the principles of veterinary preventive medicine and animal care.

Course Title: **X-ray Specialist**

Length: 19 weeks

Objective: To provide personnel with a working knowledge of radiography in order for them to perform in a clinical situation at a fixed or field medical treatment facility basic radiographic examinations which meet the standards of the American Medical Association.

Scope: The course is divided into two phases. Phase I is 13 weeks and provides intensive didactic and practical instruction in four major subject areas: anatomy and physiology, radiographic physics, basic radiographic positioning, and special procedures and techniques. Phase II is six weeks and is conducted at selected Army hospitals located in the Continental United States. The training program in Phase I includes studies of the appendicular and axial skeletal structures, biological effects of radiation, familiarization with internal anatomy, physiology, and applied physics relating to radiological practice. Instruction includes the elementary principles of X-ray machines, darkroom principles and techniques, radiographic positioning, and applied lab exercises. Also included are introductions to special procedures, utilizing contrast media, fluoroscopy, cinefluoro, foreign body localization, electrical and X-ray radiation protection and body section radiography. A 29-hour field situation is conducted where students fully assemble, operate, and maintain the equipment. Following the didactic phase, six weeks of clinical practicum are given where personnel observe and assist in all duties of the X-ray clinic under the supervision of broad certified radiologists and senior X-ray specialists. Personnel are rotated and assigned daily duties in all areas of the X-ray clinic.

US Navy Educational Programs

Course Title: **Advanced Hospital Corpsman**

Length: 40 weeks

Objective: To provide instruction in advanced principles and techniques required to perform duties relating to a medical department, ashore, and asea, including patient care, first aid and emergency procedures, preventive medicine, industrial safety, and administrative duties, with emphasis on duty independent of a medical officer.

Scope: The training program includes medical history taking and physical examination techniques and procedures, advanced medical and surgical procedures, environmental sanitation and preventive medicine, pharmaceutical mathematics, clerical procedures, fiscal management, and supply management.

Course Title: **Aerospace Medicine Technic**

Length: 12 weeks

Objective: To provide instruction in the basic knowledge and skills required to assist in special examinations and treatments for naval aviators and flight personnel. The maintenance and operation of special medical apparatus; medical records and files peculiar to aviation.

Scope: The course includes instruction in advanced anatomy and physiology in the aviation environment; medical aspects of acceleration; ejection seats; survival; psychological testing, night vision and aviation safety; ophthalmology and optics; and administration and military requirements.

Course Title: **Cardiopulmonary Technic**

Length: 52 weeks

Objective: To provide instruction in the basic knowledge and skills necessary to assist in all phases of cardiac catheterizations, angiocardiography-arterial puncture studies, bronchography, and pulmonary function studies. Set up and maintain sterile field. Care of all instruments used.

Scope: The course includes instruction in detailed anatomy and physiology of the heart, lungs, and vascular system, electrocardiograph monitoring, pulmonary function, catheterization procedures, surgical technic, X-ray technic, purpose, methods, and tabulation of tests, gas analyses, operation and maintenance of machines used.

Course Title: **Clinical Nuclear Medicine Technic**
Length: 52 weeks
Objective: To provide instruction in the basic knowledge and skills required to operate and maintain radioactive isotope therapy apparatus. Assist medical officers in preparing and conducting radioactive isotope therapy and in organizing and administering radioactive isotope therapy clinic.

Course Title: **Cytology Technic (Basic)**
Length: 12 weeks
Scope: The course includes instruction in the biology of the female reproductive system, its influences on the appearance of exfoliated cells from the vaginal vault, abnormalities and disorders which affect vaginal cytology, and the techniques and methods of assessing, filing, staining and preparing microscopic slides for examination. Works under the immediate supervision of a qualified cytotechnologist.

Course Title: **Cytotechnologist**
Length: 52 weeks
Scope: The course includes instruction in all aspects of cytopathology including cervical and vaginal, oral, urinary tract, respiratory, gastrointestinal, and other body fluids including the necessary techniques to obtain and prepare specimens for examination. Included is instruction in the anatomy, physiology, and histology of the areas mentioned, transudates and exudates, as well as basic cytogenic principles and techniques.

Course Title: **Dermatology Technic**
Length: 14 weeks
Objective: To provide instruction in the knowledge and skills required to prepare personnel to assist medical officers in all phases of care of patients and skin disorders.
Scope: The course includes instruction in bacteriology, serology, hematology, pathology and parasitology. General and special operating room procedures, recognition of the common dermatoses, carrying out of special dermatological treatment procedures, preparation of periodic reports and records and study of personal relations, staff and patient.

Course Title: **Electroencephalography Technic**
Length: 26 weeks
Objective: Assist medical officer in conducting electroencephalography tests.
Scope: Prepares patients for examinations, assists in operating electroencephalography equipment to examine patients for organic brain diseases, records tests results, maintains electroencephalography equipment.

Course Title: **Ocular Technic**
Length: 12 weeks
Objective: Assist medical and optometry officers in the treatment and care of patients with ocular disorders.
Scope: Prepares, procures, maintains and uses various equipments required for diagnosis and treatment; assists in and performs tests, dispensing of corrective vision appliances and managerial and clerical duties in the Ophthalmology and Optometry Clinics.

Course Title: **Otolaryngology Technic**
Length: 16 weeks
Objective: Assist medical officers in the treatment and care of patients with otolaryngolical disorders.
Scope: Performs minor clinical surgical procedures and assists in major surgical procedures; administers and records the results of audiometry test; prepares, procures, maintains and uses diagnosis and treatment equipments; performs managerial and clerical duties in clinics.

Course Title: **Histologic Technician (Basic)**
Length: 4 weeks
Scope: The course includes instruction in routine accessioning techniques, records keeping, filing, tissue processing, preparation of stains, routine staining techniques, preparation, mounting and labeling of microscopic slides.

Course Title: **Laboratory Technic (Basic)**
Length: 14 weeks
Scope: The course includes instruction in basic biology, laboratory mathematics, measurements and safety: general bacteriology, basic hematological determinations, blood groups and their typing; serology, biochemistry, routine and microscopic urinalyses; purposes, preparation and forwarding of tissue specimens; and introduction to parasitology.

Course Title: **Medical Laboratory Technic (Advanced)**
Length: 52 weeks
Scope: The course includes instruction in clinical bacteriology, mycology, serology, hematology, parasitology, chemistry, toxicology, microscopy, blood donor processing and clinical blood banking. Strong emphasis is placed on quality control, records keeping, equipment maintenance and supply procedures, and the applications of automation and computerization in the clinical laboratory.

Course Title: **Medical Photography Technic**
Length: 30 weeks
Objective: Performs medical photography duties.
Scope: Operates and maintains various types of photographic, photomicrographic, photo-

fluorographic, lantern, movie projection and darkroom apparatus and equipment; takes, processes, finishes and mounts medical photographs, applies photocopying lanternslide techniques and colorphotograph procedures.

Course Title: **Medical Technologist**

Length: 52 weeks

Scope: The course includes instruction in diagnostic microbiology, parasitology, mycology, serology, hematology, clinical microscopy, clinical chemistry, automated procedures, quality control, blood banking, histochemistry, and complete urinalysis. Successful completion of the course leads to certification of eligibility for the registry examination conducted by the Board of Registry of the American Society of Clinical Pathologists.

Course Title: **Nuclear Submarine Medicine Technic**

Length: 30 weeks

Objective: To train personnel to provide or assist in the provision of primary medical care services aboard nuclear and conventional submarines.

Scope: The training program includes studies of health physics, radiobiology, and personal dosimetry. Instruction includes basic principles of dental diagnosis and treatment as well as medical diagnosis and treatment, psychology, minor surgical and first aid techniques, and related therapeutic procedures.

Course Title: **Operating Room Technic**

Length: 26 weeks

Objective: To provide instruction in the basic knowledge and skills required to prepare and maintain operating room for surgery.

Scope: Selects, sterilizes, and lays out instruments and other supplies for surgical operations; passes instruments and otherwise assists in surgical operations; assists anesthetist in administering anesthetics, in giving artificial respiration, and in the use of resuscitators; makes minor repairs to, and otherwise maintains surgical equipment; prepares patients for surgical operations and gives nursing care to patients during and after surgery.

Course Title: **Optician Technic**

Length: 26 weeks

Objective: Adjusts, fits, and dispenses spectacles, determines facial and spectacle measurements, inspects and verifies completed work, and accomplishes all phases of fabrication of multifocal spectacles to prescription.

Scope: Prepares single vision and multifocal spectacles for issue, interprets prescription, marks, cuts, edges and inserts single vision and multifocal lenses into appropriate frames, surface grinds and polishes special single vision and all multifocal lenses from ophthalmic lens blanks, provides spectacle repair and replacement service; maintains and repairs optical laboratory equipment.

Course Title: **Pharmacy Technic**

Length: 23 weeks

Objective: To provide instruction in the knowledge and skills required to prepare personnel to assist medical and pharmacy officers in the compounding and dispensing of pharmaceutical preparations.

Scope: The course includes instruction of principles of pharmacy, operative and dispensing pharmacy, pharmaceutical mathematics, compounding, inorganic and organic chemistry, basic pharmacology and toxicology, pharmacy administration.

Course Title: **Physician's Assistant**
(The Physician's Assistant Course is conducted by the US Air Force and is a joint service educational program)

Length: 49 weeks Phase I—Didactic Training
52 weeks Phase II—Clinical Practicum Training

Objective: To provide proper education and experience to prepare graduates to assist physicians in examining, evaluating, diagnosing and treating diseases and injuries; performing histories, physical examination, designated diagnostic and therapeutic procedures; interpreting medical findings and referring patients to supervising physicians.

Scope: Major areas of study are: anatomy and physiology, medical terminology, human growth and development, pharmacology, clinical laboratory procedures, radiology, biochemistry and clinical chemistry, clinical medicine and surgery, physical diagnosis, psychiatry, electrocardiography, and patient evaluation.

Course Title: **Preventive Medicine Technic**

Length: 26 weeks

Objective: To provide instruction in the basic knowledge and skills required to assist medical officers in epidemiological and sanitation work. Conduct field collection, sampling and analysis of data on epidemic and endemic diseases; laboratory identification of animal parasites, and methods of control. Sanitary inspections.

Scope: The course includes instruction in bacteriology, immunology, mathematics, statistics, epidemiology, parasitology, entomology, military sanitation, disease vector control technic and the duties and services of civilian and public health organizations.

Course Title: **Radiologic Technic**

Length: 52 weeks

Objective: To train personnel in the operation of medical X-ray therapy, and in examination by fluoroscope.

Scope: The training program includes mathematics as applicable to radiology, roentgenology, and radiographic technique: film, screen, and darkroom procedures; radiotherapy, radiation safety, radiation protection, photofluorography, and photodosimetry. Practical experience is provided.

Course Title: **Transplantation Technic**
Length: 34 weeks
Objective: To provide instruction in the basic skills and knowledge required to assist with the clinical transplantation of organs and tissues.
Scope: The course includes instruction in operating room technique, tissue banking, transplantation surgery, bone marrow transplantation and hemodialysis.

Course Title: **Urologic Technic**
Length: 26 weeks
Objective: To provide instruction in the basic knowledge and skills required to assist medical officers in examination and treatment of urological patients.
Scope: Operates and maintains urological equipment and appliances; performs urological X-ray procedures, prepares supplies, instruments, dressings and utensils for urological operations and treatments.

US Air Force Educational Programs

Course Title: **Aeromedical Evacuation Technician**
Length: 5 weeks 2 days
Objective: To train personnel to prepare for duties as members of medical flight crew and to provide and supervise in-flight primary medical care.
Scope: Course is designed to enable graduates to care for patients evacuated by air; to prepare aircraft for the receipt of patients; assist in enplaning/deplaning of patients; use of oxygen equipment, respirators, resuscitators, and other therapeutic aids; administrative and operational procedures of aeromedical evacuation; employment of survival/life support principles; procedures, equipment and techniques.

Course Title: **Allergy/Immunology Specialist**
Length: 3 weeks
Objective: To train personnel to assist in the care and treatment of allergy patients, to administer immunizations, and to perform subprofessional allergy/immunology activities.
Scope: Course is designed to teach fundamentals and provide practical experience in the techniques and procedures used in allergy/immunology, special and routine skin testing as ordered by physicians, hyposensitization treatments for the allergic patient, preparation of allergenic extracts, and supervision of Allergy/Immunology section activities.

Course Title: **Biomedical Equipment Maintenance Specialist**
Length: 32 weeks, 2 days
Objective: To train personnel to install, inspect, repair, calibrate, and modify biomedical equipment and support systems; and to teach the theory of operation underlying physiological principles; and safe clinical application of biomedical equipment.
Scope: Course is designed to teach students in the techniques of biomedical equipment maintenance. Students are taught how to install, inspect, maintain, and modify biomedical equipment used in fixed and mobile biomedical and dental treatment facilities within the Air Force.

Course Title: **Cardiopulmonary Laboratory Specialist**
Length: 28 weeks
Objective: Trains personnel in the performance of subprofessional cardiopulmonary laboratory duties, in assisting in the conduct of specialized tests/procedures, and in cardiopulmonary laboratory duties.
Scope: Training is composed of two separate phases. Phase I provides training to assist cardiologists and pulmonary physiologists in examining, evaluating, diagnosing and treating cardiopulmonary diseases and injuries by performing a broad spectrum of diagnostic and therapeutic procedures such as administering electrocardiograms, phonocardiograms, vectorcardiograms, stress tests, defibrillation techniques, pulmonary function studies, intermittent positive pressure breathing, blood gas analysis, cardiac catherization and operation and maintenance of diagnostic equipment. Major areas of study are anatomy, physiology, medical terminology, care of cardiovascular disorders, care of pulmonary disorders, inhalation therapy, and related diagnostic processes and equipment. Phase II training is conducted in a hospital environment to provide assistance to cardiologists and pulmonary physiologists in examining, evaluating, diagnosing and treating cardiopulmonary diseases and injuries by performing a broad spectrum of diagnostic and therapeutic procedures such as administering electrocardiograms, phonocardiograms, vectorcardiograms, stress tests, defibrillation techniques, pulmonary functional studies, intermittent positive pressure breathing, blood gas analysis, cardiac catheterization and operation and maintenance of diagnostic equipment.

Course Title: **Electroencephalographic Technician**
Length: 8 weeks, 5 days
Objective: To train personnel to perform subprofessional duties in the care and treatment of neurological patients; and to assist physicians in the performance of neurological diagnostic procedures.
Scope: Course is designed to teach techniques and procedures involved in the use of electroencephalograph equipment to obtain brain wave recordings on how to recognize satisfactory readings. Course also teaches principles of patient management, EEG equipment calibration and set control alignment; selection of appropriate recording techniques to localize disease areas by electrode lead placement; detection and correction of graph readings and equipment when wave forms on graph form are result of extraneous potentials and artifacts; laboratory management; and supervision of activities.

Course Title: **Environmental Health Specialist**
Length: 11 weeks
Objective: To train environmental health specialists to perform specialized environmental analyses and surveys, to develop epidemiological data, and to assist in bioengineering engineering evaluations.
Scope: This training provides airmen with the knowledge and skills required to perform entry level duties as an Environmental Health Specialist. Training includes basic mathematics, physics and chemistry, support procedures, effective communication, communicable disease control, installation quarantine, medical zoology, environmental surveillance, drinking water supply, domestic waste management, industrial waste management, solid waste management, swimming pools and recreational areas, environmental pollution, illumination, ventilation, thermal stress, atmospheric sampling, toxic materials, industrial radiological control, microwave hazards, radioactive waste disposal, disaster preparedness response (chemical radiological, biological, natural), medical missile hazards, hearing conservation and noise hazard control training which may lead to certification as a "Hearing Conservationist."

Course Title: **Medical Administrative Specialist**
Length: 6 weeks
Objective: To train airmen to perform basic medical administrative functions in medical units under US Air Force jurisdiction.
Scope: This course trains medical administrative specialists to perform duty in hospital administration to include typing, processing of forms, written correspondence, publications, records, and postal activities; in the support of professional services to include Registrar Services, Air Force Clinic, patient treatment unit administration (Ward Clerk), and aeromedical evacuation of patients; in medical resource management office activities to include the medical service account, civilian medical/dental care, and the staffing report.

Course Title: **Medical Laboratory Specialist**
Length: 53 weeks
Objective: To train personnel to test and analyze human and other substances by established scientific laboratory techniques to aid in the diagnosis, treatment and prevention of diseases or in support of medical research.
Scope: Training is composed of two separate phases. Phase I teaches the basic theory and skills, collection, preparation, and analysis of biological fluids and other substances by standard procedures used in medical laboratories to aid the physician in the diagnosis, treatment, and prevention of disease. Emphasis is on routine methodology employed in the fields of urinalysis, hematology, blood banking, serology, clinical chemistry, bacteriology, mycology, and parasitology. Phase II provides the fundamental techniques used in a medical laboratory. Students develop an understanding of routine laboratory procedures, and are trained to perform basic laboratory tests with minimum of supervision. In addition, they gain knowledge of medical subjects to the extent necessary for their effective performance of duty as medical laboratory specialists. Emphasis is on urinalysis, hematology, blood banking, serology, clinical chemistry, bacteriology, mycology, and parasitology.

Course Title: **Medical Material Specialist**
Length: 6 weeks
Objective: To train airmen to prepare and maintain manual or mechanized property accounting records, and to receive, identify, inspect, store, and issue medical/non-medical supplies and equipment used by supported health care activities.
Scope: The course includes procedures and methodology used in punched card and electronic data systems of item and financial accounting, requisitioning, document control, stock control, equipment management, and related procedures necessary to operate and function within the Air Force medical supply accounting system.

Course Title: **Medical Materiel Supervisor**
Length: 4 weeks
Objective: To provide supplementary training in Medical Materiel Systems procedures, emphasizing B-3500 computer technology.
Scope: Course provides training in organization and functions of Medical Materiel, records maintenance, procurement, issues, gains and losses, War Readiness Materiel Management, budgeting and reports. Course is based upon electronic data processing Systems of Inventory Control and includes processing and quality of machine input and output for management purposes.

Course Title: **Medical Records Management**
Length: 5 weeks 3 days
Objective: To train administrative specialists to assume supervisory responsibilities in medical records departments.
Scope: This course trains personnel assigned duty in Hospital Registrar's office or Major Air Command Surgeon's Office responsible for medical records and medical auditing management. Includes medical terminology; anatomy and physiology; classification of diseases and operations; completeness and consistency of medical records; legislative aspects of medical records; collection of statistical data and display of collected data for use by professional staff; retrieval of data for auditing of patient care and display of audit data for use by Audit Committee; and to function as a medical record personnel representative and Audit Committee Assistant. Course in 2 phases; 3 weeks 3 days medical records management; 2 weeks medical auditing.

Course Title: **Medical Service Specialist**

Length: 6 weeks

Objective: To train airmen to assist professional personnel in nursing care and treatment of patients in nursing units, clinics, and related Air Force medical activities.

Scope: This course provides airmen entering the USAF as a Medical Service Specialist with basic knowledge and minor skills required in anatomy and physiology, basic hospital procedures, emergency medical treatment, basic theory and skills in providing nursing care with emphasis on nursing technologies, interpersonal relationships, common skills and identification of human needs.

Course Title: **Medical Service Technician**

Length: 13 weeks

Objective: To train medical service specialists in high-level technical and supervisory medical skills connected with the immediate care and treatment of patients.

Scope: Students receive didactic training consisting of introduction to nursing service; legal aspects; ethics; security of medical information; hospital safety rules; personal, family and community health; nursing care planning; scientific principles of nursing; pharmacology; care of medical patients; pediatrics; care of surgical patients; maternal and child health; care of mental health patients; and nursing management techniques. This course constitutes Phase I of the Licensed Vocational Nurse Program.

Course Title: **Mental Health Unit Specialist**

Length: 11 weeks

Objective: To train airmen to perform subprofessional duties as Mental Health Unit Specialist, and to assist the professional staff in the treatment of mental health patients.

Scope: The course prepares airmen as assistants to professional personnel in the care and treatment of patients on mental health units. Students learn basic theory and skills in providing nursing care with emphasis on nursing technologies, interpersonal relationships, communication and identity of human needs; concepts of human behavior; aspects of atypical adjustment reactions; importance of behavior obsessions; and need for nursing intervention. Clinical experience follows didactics.

Course Title: **Operating Room Specialist**

Length: 8 weeks

Objective: Trains personnel in patient preparation for surgical treatment, and in assisting the operating room staff by performance of routine sterile and non-sterile operating room functions.

Scope: Course is designed to provide basic theory and skills of operating room technology. Emphasis is on performance as a surgical scrub or circulating specialist; preparation and sterilization of surgical supplies; and care of patient preoperatively, during surgery, and postoperatively.

Course Title: **Ophthalmology Surgical Technician**

Length: 5 weeks

Objective: To train personnel in the techniques of caring for patients in the ophthalmology clinic; in assisting the ophthalmologist in the operating room; and in ophthalmology surgical activities.

Scope: Course is designed to provide advanced supplemental training to prepare airman to assist in ocular evaluation and treatment of ophthalmic patients. Enables graduate to perform visual screening tests; neutralizing of ophthalmic lenses; tangent visual fields; Goldmann perimetry; fundus photography, and spectacle fitting, adjusting and repair. Prepares graduate to assist ophthalmologist in major and minor eye surgery utilizing procedures such as surgical instrumentation; aseptic and sterilization techniques; preparation of surgical packs and ocular dressings; administration of eye medications, anesthetics, and antibiotics; application of ocular dressings; obtaining eye culture and general preparation for surgery of preoperative ophthalmic patients.

Course Title: **Optometry Specialist**

Length: 9 weeks

Objective: To train personnel in testing and fitting of patients for optometric devices, verification of prescriptions, preparation and dispensing of prescription orders, and in performing related technical optometry activities.

Scope: Course is designed to provide techniques of basic ocular anatomy and physiology, basic optics, use and maintenance of optometric testing equipment, visual therapy, medical ethics, medical technology and techniques, asepsis, ocular first aid and emergency treatment. The course prepares the student to perform visual screening tests designed to discriminate between those who need professional attention and those who do not require this attention; assist in the examination and treatment of patients; assist in the preparation and fitting of spectacles; assist in the fitting of contact lenses; assist in visual training; perform prescription order duties; and to perform related administrative duties.

Course Title: **Orthotic Specialist**

Length: 50 weeks

Objective: To train Orthotic Specialists in the techniques of construction, assembling, repair, and adjustments of orthopaedic orthoses under direction of medical officer.

Scope: This program is conducted in three phases: Phase I: academic subjects—general anatomy, anatomy of foot, ankle and leg, hip and thigh, spine and trunk, upper extremities; kinesiology, osteology, myology, neurology, arthology, normal human locomotion; motor disability; and orthotic fabrication of lower extremity, spinal and upper extremity; and orthotic shoe corrections. Phase II: machinery as applied to orthotic orthoses, location of machinery, equipment and supplies and operation of all major equipment; measuring techniques consisting of tracing and layouts, landmarks, materials, tools and all types of casting used in molded orthoses. Phases III: orthotic metal and plastic fabrication and practical application—spinal orthoses, upper and lower extremity orthoses, leather techniques, shoe modification and arch supports; professional and patient relationship.

Course Title: **Otorhinolaryngology Surgical Specialist**

Length: 19 weeks

Objective: To train personnel to perform specialized duties in Otorhinolaryngology Clinic; to manage equipment and supplies; assist physician in operating room; perform diagnostic learning, and vestibular evaluations; and to manage otorhinolaryngology clinic activities.

Scope: Course is designed to prepare selected airmen with the theory, technical training, and experience to function as a clinical and surgical assistant to an otolaryngologist; to do audio vestibular evaluations; to fit and maintain hearing aids; maintain and care for specialized otolaryngologic instruments and equipment; to diagnose and treat common, simple ear, nose and throat disorders; and give pre- and postoperative patient care. The student is provided with the basic principles of clinic administration and management required for functioning within the specialty. Course provides an 8-week rotation in the operating room emphasizing the process common to this specialty and an 8-week rotation in the audio vestibular laboratory.

Course Title: **Physical Therapy Technician**

Length: 4 weeks

Objective: To train personnel in the administration of physical therapy patient care and the performance of administrative functions and supervision of physical therapy activities.

Scope: Course is designed to provide supplemental career training for physical therapy personnel. Includes in-depth study of osteology, arthology, myology, neuroanatomy, physiology, mental attitudes of diseased and injured, physiological effects of physical therapy modalities and procedures, and principles of physical therapy care.

Course Title: **Physician Assistant**

Length: 49 weeks, Phase I—Didactic Training
52 weeks, Phase II—Clinical Practicum Training

Objective: To provide proper education and experience to prepare graduates to assist physicians in examining evaluating, diagnosing and treating diseases and injuries; performing histories, physical examinations, designating diagnostic and therapeutic procedures; interpreting medical findings, and referring patients to supervisory physicians.

Scope: Major areas of study include: anatomy and physiology, medical terminology, human growth and development, pharmacology, clinical laboratory procedures, radiology, biochemistry and clinical chemistry, clinical medicine and surgery, physical diagnosis, psychiatry, electrocardiography and patient evaluation.

Course Title: **Pharmacy Specialist**

Length: 12 weeks

Objective: To train personnel in the pharmaceutical procedures of requisitioning, stocking, compounding, and dispensing of medicinal preparations.

Scope: Course is designed to teach the basic technical phases of Pharmacy and the minimum essential knowledge and skills necessary for compounding and dispensing of drugs, economical operation of an Air Force Pharmacy, proper use of drugs, chemicals, and biological products of the Federal Catalog of Medical Materiel.

Course Title: **Physical Therapy Specialist**

Length: 8 weeks, 2 days

Objective: To train personnel in the techniques of administering physical therapy patient care and in the performance of physical therapy clinic activities.

Scope: Course is designed to train student in theory and practical application of physical therapy procedures and modalities needed to assist physical therapist in administering physical therapy care. Training includes psychology of diseased and injured; physiology; anatomy; medical condition in physical therapy; administration, communications, and ethics; and physical therapy procedures and modalities.

Course Title: **Aerospace Physiology Specialist**

Length: 5 weeks

Objective: To train Aerospace Physiology Specialists in the operations and maintenance of physiological training devices; to give lectures and demonstrations for indoctrination of flying personnel in physical and physiological stresses encountered in flight; and to perform duties as required in associated aerospace physiology programs.

Scope: Course is designed to provide principles of aerospace physiology, instruction of flying personnel in application of these principles, use of personal equipment, operation and maintenance of low pressure chamber and auxiliary devices, recording of training flights; instruction in principles of night vision; use of night vision trainer, ejection seat trainer and swing landing trainer; and parasail training.

Course Title: **Radiologic Specialist**

Length: 52 weeks

Objective: To train personnel in the techniques of and operation of fixed and portable X-Ray equipment and to assist radiologist/physician during fluoroscopy and special radiologic procedures.

Scope: Training is composed of two separate phases. Phase I teaches the theory of basic electricity, radiographic technique, radiographic film and chemical processing, radiographically oriented anatomy and physiology; theory of, and practice in operation of fixed and mobile radiologic equipment; routine and special radiographic positioning; theory of, and practice in accomplishment of special radiographic procedures and techniques. Phase II provides practical clinical training and experience in nursing orthopedic; surgical; department administration; film processing and exposure techniques; bedside and surgical radiographic procedures; night emergency call; radiation therapy (not available in all hospitals); and proficiency training in radiologic technology and radiation protection.

Course Title: **Veterinary Specialist**

Length: 11 weeks, 3 days

Objective: To train veterinary specialists to perform routine non-medical subsistence inspections and routine preliminary medical inspections of foods, food establishments, and food service activities, and to assist with veterinary animal activities and veterinary administration.

Scope: This course provides training to airmen who will be assigned to veterinary service functions in food inspection and laboratory procedures involved, subprofessional duties concerning veterinary sciences, administrative forms and procedures, sanitary surveillance of food processing and storing establishments and food service facilities, control and epidemiology of zoonotic diseases and veterinary aspects of disaster medicine.

APPENDIX F: FINANCIAL AID FOR STUDENTS

A variety of financial aid exists in scholarships and grants, work-study programs, loans, and other kinds of financial assistance. The best way to find out which kinds of aid you qualify for is to contact the guidance counselor in the school you are planning to attend. Section 131 of the Education Amendments of 1976 provides that institutions of higher education and other eligible institutions which participate in Basic Educational Opportunity Grants, College Work-Study, National Direct Student Loan, Supplemental Educational Opportunity Grants, and the Guaranteed Student Loan Programs must carry out information dissemination activities for prospective and enrolled students who request information under the above mentioned programs. The type of information to be disseminated includes student financial assistance available at the institution, the school's academic program and educational costs, and its refund policy. The statute also requires that this information be made readily available through appropriate publications and mailings to all current and prospective students upon request. This *Directory* indicates which schools provide scholarships and stipends in the listing of accredited education programs.

Most awards are based on financial need. A student with significant financial need may be awarded a financial aid combination of work, grants, and loans. Most schools require a Parents' Confidential Statement, a program of the College Entrance Examination Board, or the American College Testing Program's Financial Need Analysis Program. These forms should be available at the school's financial aid office.

A self-supporting student must not have been claimed as an exemption on income tax forms by either parent or any other person, except spouse, for both the prior calendar year and the year the aid is received. The student must not have lived with either parent during this period or accepted financial aid of more than $600 from parents or any other person.

Both part-time and full-time students are now eligible for financial aid. The broad sources for financial aid are:

1. Private—the American Legion annually revises a handbook with current information on sources for financial aid. Send 50¢ to "Need a Lift?", American Legion, Dept. S, P.O. Box 1055, Indianapolis, Indiana 46206.
2. Local—contact the Chamber of Commerce in your city.
3. State—contact the chief school officer or your state.
4. Federal—the basic federal financial aid programs are:
    a. Basic Educational Opportunity Grant Program (BEOG): Direct grant to the student. Available for needy full-time and half-time students that have begun their postsecondary education after April 1, 1973. Write Basic Grants, Box 84, Washington, D.C. 20044.
    b. Supplemental Educational Opportunity Grant Program (SEOG): Nonrepayable grant to students whom the school has indicated to be in exceptional need. Offered only after all other sources have been exhausted. Both full-time and half-time students are eligible. Application must be made through the school.
    c. National Direct Student Loan (NDSL): Long-term, low-interest loan for the amount determined by the school. Application is made by the school often accompanied by a Family Financial Statement or Parents' Confidential Statement.
    d. Federally Insured (or Guaranteed) Student Loan (FISL–GSL): Long-term, low-interest loan from banks, credit unions, savings and loan associations, and private organizations. Graduate students are also eligible for this loan carrying at least a half-time load. Further information can be obtained from the school guidance counselor.

Counselors and students who wish to research additional sources of financial aid should find the following bibliography helpful. This listing contains excerpts reprinted, with editorial improvements, from the publication *Helping Hands: A Selected Bibliography of Financial Aid for Health Careers* prepared by the AMA Department of Health Manpower. Single copies of this bibliography are available without charge on a limited basis from Careers, Department of Health Manpower, American Medical Association, 535 N Dearborn, Chicago, IL 60610.

Bulk quantities are available from the Order Department, OP-443, American Medical Association, PO Box 821, Monroe, WI 53566 at the following prices and quantities:

1–99 copies	.75 each
100–499 copies	.50 each
500–999 copies	.35 each
1000 plus copies	.30 each

HELPING HANDS: A SELECTED BIBLIOGRAPHY OF FINANCIAL AID FOR HEALTH CAREERS

INTRODUCTION

Helping Hands: A Selected Bibliography of Financial Aid for Health Careers is a listing, in categories, of the more recently published books, pamphlets and other documents giving information about financial aid for students. A number of entries contain special information for students aiming at health careers; all are pertinent for students in the health field. The annotation with each entry attempts an uncritical capsule explanation of that book or pamphlet to assist the user in selecting those references pertinent to his needs.

The *Bibliography* is not intended as an all-inclusive listing or as an endorsement of any given entry. It is designed to serve as a shortcut for students in their library searches for sources of financial aid. Subject card catalogs in libraries are apt to contain literally hundreds of file cards under dozens of categories pertaining to financial aid for education, and the categories tend to vary from library to library. In addition, these references will sometimes be too dated to be of service. For these reasons, it was felt that a bibliography containing references from recent years only could allow a student access to necessary information more efficiently.

Students looking for particular items listed in this bibliography can seek help from a number of sources, mainly librarians, counselors, and teachers. While large libraries are likely to have more of the materials listed because of the expernse involved, personnel in small school and public libraries can guide students in their search for these publications.

Government documents are kept in special libraries called depository libraries, which are located throughout the United States. A complete listing of such special libraries is published each September in the monthly catalog called *US Government Publications*.

Students can also find the depository library nearest them by consulting their local public librarian or their state librarian. Each state has a State Library located in its capital city.

The American Medical Association hopes that this bibliography will be a useful tool to students, counselors, parents, and others concerned with paying for an education in the health field. Notification by users of any errors herein, or possible improvements, will be sincerely appreciated.

FINANCIAL AID TERMS

In the brief descriptions of financial source books and pamphlets that follow in this bibliography, certain terms are used repeatedly that have somewhat specialized meanings in the context of financial aid. Some of the most common ones are listed and described here as an aid to the user. It should be noted that each institution or agency may define the types of assistance listed below somewhat differently.

Assistantship: position of assistant at a college or university, for which some compensation is given, usually offered to graduate students working for advanced degrees.

Fellowship: stipend or grant-in-aid for advanced study or research offered to a student by a public or private organization or educational institution.

Grant: money for some specific educational study or task, usually not repayable if the terms of the grant are met.

Grant-in-aid: money given to an educational institution for specific types of projects, or to individual students for furthering their education or completion of research projects. Certain standards usually must be maintained and agreements kept.

Loan: money lent for which interest must usually be paid. Amount of interest and time allowed for repayment of loans vary widely. Under special circumstances, part of or entire loans do not need to be repaid, as in return for the borrower's working for a specified time period in areas with special need for health care.

Scholarship: money or its equivalent offered to a student by a public or private organization or educational institution to permit him or her to pursue studies in higher education.

Stipend: money paid periodically to students for services rendered and/or to defray expenses.

Traineeship: generally, a position that provides learning experiences related to a given student's field of work, in which the student provides some service and usually receives some financial support in return. Traineeships for advanced study exist, for example, those awarded by the National Institutes of Health.

Work: varies from full time to part time and from summer employment to "term-time jobs"—employment during the school term. Some work-study programs are called "alternating cooperative programs," allowing students to pay part of or all of their educational expenses by part-time work. The job may be on or off campus, usually at a nonprofit agency that pays at least the current minimum wage. Periods of regular classroom study of 10 to 12 weeks' duration may alternate with similar periods of job assignments, usually in the student's special area of interest. Other work-study programs may provide for full-time employment—simultaneous with periods of study.

FINANCIAL AID PUBLICATIONS

Government Publications

Catalogue of Federal Domestic Assistance Program, 1976
Executive Office of the President
Office of Management and Budget
Washington, DC
Discusses the legislation providing for federal loans and scholarships. Gives objectives of the legislation and methods of application for funds. Includes Nursing Students Loans, Nursing Scholarships, Professional Nurse Traineeships, College Work-Student Programs, and Health Professions-Student Loans.

Federal Student Financial Aid — Where Do You Fit In?
Office of Education
Department of Health, Education, and Welfare
HEW Publication No. (OE) 78-17701
400 Maryland Ave SW
Washington, DC 20202
A brief summary of student aid programs including: Basic Educational Opportunity Grant (BEOG); Supplemental Educational Opportunity Grant (SEOG); Student State Incentive Grant Program (SSIG); College Work-Study Program (CWSP); National Direct Student Loan (NDSL); Guaranteed Student Loan (GSL); Nursing Student Loan; Health Education Assistance Loan; Health Professions Student Loan; G.I. Bill Benefits; Social Security; Junior G.I. Bill.

National Health Service Corps Scholarships Program
Fact Sheet and Applicant Information Bulletin, 1978–79
NHSC Scholarship Program
Center Building
3700 East-West Highway
Hyattsville, MD 20782
Describes this federal program for students of medicine, osteopathy, dentistry and the health professions. Eligibility, benefits, and service obligations are included.

Occupational Outlook Handbook, 1978–79 (825 pp.)
Department of Labor
Bureau of Labor Statistics
Washington, DC
Discusses job prospects for 300 occupations and 35 industries, giving the nature of the work, personal qualifications and training required, chances of advancement, salaries, and location of job openings. Available in most libraries. For sale by the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.

OHRO Digest
Health Career Opportunity Grants for the Disadvantaged (1978)
Office of Health Resources Opportunity
Health Resources Adminstration
Department of Health, Education, and Welfare
DHEW Publication No. (HRA) 78-624
Center Building
3700 East-West Highway
Hyattsville, MD 20782
Summary of projects in the Health Career Opportunity Program listed by state and described. The summaries specify the target health discipline, primary objectives and major activities, educational level of participants, and amount of award.

A Student's Guide to Five Federal Financial Aid Programs 1978–1979
Department of Health, Education, and Welfare
Office of Education
400 Maryland Ave SW
Washington, DC 20202
Discusses five US Office of Education financial aid programs:

- Basic Educational Opportunity Grants (BEOG)
- Supplemental Educational Opportunity Grants (SEOG)
- College Work-Study (CWS)
- National Direct Student Loans (NDSL)
- Guaranteed Student Loans (GSL)

Includes description of each program, eligibility, and method of application. Sources of information on the GSL program are listed for each state.

Fact Sheet on the Armed Forces Health Professions Scholarship Program (1978)
Office of the Assistant Secretary of Defense
Washington, DC 20301
The program is described and information is given about eligibility, obligations, tuition and other financial assistance, application procedure for scholarships in the fields of medicine, veterinary medicine, optometry, podiatry and clinical psychology at the PhD level.

Fact Sheet on Health Professions Student Loan Program (1977)
Student Assistance Branch
Bureau of Health Manpower
Health Resources Administration
Public Health Service
Department of Health, Education, and Welfare
Center Building
3700 East-West Highway
Hyattsville, MD 20782
The description of the program includes eligibility, amount available, repayment, and method of application.

Fact Sheet: Operation MEDIHC (Military Experience Directed Into Health Careers)
Division of Associated Health Professions
Health Resources Administration
Department of Health, Education, and Welfare
Center Building
3700 East-West Highway
Hyattsville, MD 20782
Describes the MEDIHC Program and lists state MEDIHC agencies for further information.

Fact Sheet on Nursing Scholarship Program
Student and Institutional Assistance Branch
Bureau of Health Manpower
Health Resources Administration
Department of Health, Education, and Welfare
Center Building
3700 East-West Highway
Hyattsville, MD 20782
Description of program includes eligibility, selection, amount available, and how to apply.

Fact Sheet on Nursing Student Loan Program
Student and Institutional Assistance Branch
Bureau of Health Manpower
Health Resources Administration
Department of Health, Education, and Welfare
Center Building
3700 East-West Highway
Hyattsville, MD 20782
Describes program and gives information about selection of recipients, eligibility, amount available, and repayment.

Fact Sheet on Scholarhips and Extern Programs for American Indians
Indian Health Service
Health Service Administration
Department of Health, Education, and Welfare
Rockville, MD
Contains information about scholarship opportunities earmarked for college-bound Indian youth and encourages interest in and understanding of higher education. Gives method of application and lists states in the Indian Health Service with addresses for further information.

Schools Participating in the Nursing Student Loan and Scholarship Programs: Academic Year 1977—78
Bureau of Health Manpower
Health Resources Administration
Department of Health, Education, and Welfare
3700 East-West Highway
Hyattsville, MD 20782

Non-Government Publications

Admission Requirements of American Dental Schools (1979–80, Revised annually)
American Association of Dental Schools
7625 Massachusetts Ave, NW
Washington, DC 20036
Handbook provides current, official information on predental preparation and admission requirements for dental school. Provides guidance to predental advisers and students. Includes a chapter on financial aid covering cost estimates of dental education.

Barron's Handbook of American College Financial Aid (1977, 512 pp.)
Barron's Educational Series, Inc.
113 Crossways Park Dr
Woodbury, NY 11797
For high school seniors, their parents, and guidance counselors. Provides information about how to predict college costs and seek financial aid; about assistance available for financially independent and/or married students; about how to obtain application forms; about when to apply for aid; about types and conditions of grants and loans; about financial aid at more than 1,200 four-year colleges, and also provides a glossary of financial terms.

Barron's Profiles of American Colleges (Eleventh Edition, 1978, 1024 pp.)
Barron's Educational Series
113 Crossways Park Dr
Woodbury, NY 11797
In-depth descriptions of over 1,450 colleges and universities recognized by the regional accrediting associations. Each profile includes a discussion of scholarships, of loans, and of work available; information about how to qualify and about aid for minority students.

Cash for College (1975, 222 pp.)
S. Robert Freede
Prentice Hall
An information and answer guide for parents, teachers, high school and college students which answers the questions: how and where to find scholarships, grants and loans; how to apply for aid. The federal Educational Opportunity Grant Program and military service-connected aid are explained, names and addresses of state agencies that administer state programs are listed, and federal Nursing Students Scholarship Program and Health Professions Scholarship Programs are discussed.

The College Blue Book (16th Edition, 1978, 5 volumes)
Macmillan Information
866 Third Avenue
New York, NY 10022
Gives extensive information on 3,200 accredited and non-accredited two-year colleges, four-year colleges, universities,

professional institutes (including medicine), and technical institutes. It includes a comprehensive reference section directing students to sources of financial aid. It covers awards granted at every level from college freshman to advanced professional programs, and title of each award, amount, method of disbursement of repayment, qualifications, and address for information and application.

Fact Sheet on Dental Laboratory Technology Scholarships
American Fund for Dental Health
211 E Chicago Ave
Chicago, IL 60611
Lists available scholarships; discusses eligibility, selection, terms, and how to apply.

Fact Sheet on Dental Scholarships for Minority Students
American Fund for Dental Health
211 E Chicago Ave
Chicago, IL 60611
Program is described, including eligibility, selection, and application.

Financial Aids for Higher Education, O. Keeslar (1978–79, Eighth revised edition)
William C. Brown Company, Publishers
2460 Kerper
Dubuque, IA 52001
A catalog assembled to help graduating high school seniors find financial assistance for college. Index lists donor agencies and foundations by key names; common names of assistance programs where applicable; fields of specialization; main classifications of financial aids (such as grants, loans, contest prizes, work-study plans); and special qualifications that may bring preferred treatment (such as race, religion, nationality, place of residence, war orphan, physical handicap, special skills, and special achievements).

Financial Aid Handbook for Careers in Optometry (1978)
American Optometric Association
7000 Chippewa St
St. Louis, MO 63119

Financial Aid for Minorities in Health. Ruth Swann. (1978, 50 pp.)
Garrett Park Press
Garrett Park, MD 20766
A brief introductory summary of the field with emphasis upon career and educational options for minorities. Financial aid sources are given.

If Financing Your Medical Education is a Problem, We'd Like to Help. (1977, 12 pp.)
American Medical Association Education and Research Foundation
535 N Dearborn St
Chicago, IL 60610
A discussion of the AMA-ERF's Medical Education Loan Guarantee Program, Including amount loaned, by what institution, loan payments, and how to apply. The Medical Student Opportunity Loan Guarantee Plan to help financially disadvantaged students is also reviewed.

The Grants Register 1977–79 (764 pp.)
St Martins Press
175 Fifth Ave
New York, NY 10010
Provides information on awards available to American graduates and young professionals. Lists scholarships and fellowships at all levels of graduate study. Lists research grants, all types of grants-in-aid; and professional and vocational awards and special awards for minority groups and students in financial difficulties.

Journal of Medical Education (Monthly Journal)
Association of American Medical Colleges
One Dupont Circle, NW
Washington, DC 20036
The *Journal* is devoted to exchange of ideas in medical education, including preparation for medical education, medical school experience, intern and resident education, and postgraduate medical education. It occasionally contains articles and supplements on financial aid, and has a cumulative index.

Lovejoy's College Guide, C E Lovejoy. (1978)
Simon and Schuster
1230 6th Ave
New York, NY 10020
General reference book for use by students, counselors, teachers, parents, etc. describing about 3,500 American colleges and universities. Includes information on ordinary expenses to expect, educational financial aid, and assistance programs. Lists specific sources of information by state on guaranteed student loan programs.

Low-Cost Loans for Optometric Education (1978)
American Optometric Association
7000 Chippewa Street
St Louis, MO 63119
Describes program in cooperation with United Student Aid Funds, Inc. Eligibility, amount of loans, and how to apply are reviewed.

Medical Careers Planning. Attia Nassen, MD, and Kamil Mustafa, MD (1975, 873 pp.)
Bureau of Health and Hospital Careers Counseling
PO Box 238
Scarsdale, NY 10583
A comprehensive guidance manual on worldwide opportunities for education, employment, and financial assistance in all fields of medicine and the allied health professions. Lists of names and addresses on some representative financial sources, including sources of information on the guaranteed student loan program offered by individual states to their residents.

National New Health Practitioner Program Profile 1977–79
Association of Physician Assistant Programs
2341 Jefferson Davis Highway
Arlington, VA 22202
A guide to physician assistant programs, including admission procedures, financial information, certification, educational program, and a selected bibliography.

Need a Lift? To Educational Opportunities, Careers, Loans, Scholarships, Employment! (27th edition, 1977, 132 pp.)
American Legion Education and Scholarship Program
PO Box 1055
Indianapolis 46206
Identifies or contains references that lead to most existing sources of financial aid except those available at local community level. Divided into sources of career information; sources of scholarships and financial aid to veterans and nonveterans and their dependents' sources of student loans; state educational benefits by state; American Legion educational aids; and sources of additional information for students, parents and counselors.

Scholarships, Fellowships, Educational Grants and Loans for Registered Nursing
(1977, 14 pp.) Publication No. 41-410
National League for Nursing
10 Columbus Circle
New York, NY 10019
This yearly publication lists many sources of financial assistance for students preparing to become registered nurses. It includes information on general education loans and scholarships for colleges and vocational schools.

Scholarships, Fellowships and Loans, SN Feingold, (1977, Volume 6)
Bellman Publishing Company
Arlington, MA

Guide to non-school-administered student financial aid, designed for students, counselors, parents, financial aid officers, and librarians. Lists funds with name and address of administering agency, available for study in business schools, vocational and technical schools, community colleges, colleges and universities, and graduate schools. Vocational Goals Index describes eligibility criteria for such aid relating to fields and level of study, sex, residence; and union, company, religious, ethnic, fraternal, and military affiliation of student and/or family.

Student Aid—Annual 1978 (346 pp.)
Chronicle Guidance Publications, Inc.
PO Box 271
Moravia, NY 13118
Divided into three parts: undergraduate financial aid; graduate financial aid; and source by occupation index. Contains information on financial aid; and source by occupation index. Contains information on financial aid programs offered nationally or regionally by non-collegiate private and public organizations, available to students ranging from college freshmen through baccalaureate, graduate, and post-doctoral levels. Types of programs include essay awards, work-study programs, loans, scholarships, grants, and post-doctoral fellowships. State sponsored programs are included.

The Student Loan Guarantee Program 1977-78, for Students of Medicine, Dentistry, Osteopathy
United Student Aid Funds, Inc.
200 E 42nd St
New York, NY 10017
Description of program sponsored by the Robert Wood Johnson Foundation. Directions given to students applying for loans.

200 Ways to Put Your Talent to Work in the Health Field
National Health Council, Inc.
1740 Broadway
New York, NY 10019
Describes specific health occupations and professions. Lists addresses of 110 organizations providing additional career information, indicating sources of information on financial aid.

WICHE *Professional Student Exchange Program, 1979-80*
Western Interstate Commission for Higher Education
PO Drawer P
Boulder, CO 80302
Explains professional student exchange program and lists participating schools in 15 fields of study, including: medicine, dentistry, dental hygiene, physical therapy, occupational therapy, optometry, podiatry, pharmacy, and graduate nursing education. Discusses tuition reduction for citizens of 13 western states and how to qualify.

College Entrance Examination Board Publications

The College Entrance Examination Board is a nonprofit membership organization composed of more than 2,000 colleges, schools, school systems, and educational associations. Member representatives serve on committees that consider the Board's programs and help determine its policies and activities, which include providing tests and other educational services for students, schools, and colleges. Its catalog titled "College Board Publications 1977-78" lists most of the following publications containing financial aid information, available from the College Board Publication Orders, Box 2815, Princeton, NJ 08540.

The College Board Review (Published quarterly)
Explores new ideas and programs in education, with major concern for transition from high school to further education. Discusses such financial aid issues as amount parents contribute toward education; dilemmas confronting transfer students; collection of overdue university loans; and granting scholarships to students.

The College Scholarship Service (1977, 6 pp.)
Describes the College Scholarship Service, its research, publications and services to students, counselors, parents, institutions and agencies.

Financial Aid News (Published several times annually)
Newsletter reporting events and activities in financial aid field, mainly for financial aid officers and others interested in administration of financial aid.

Financial Planning for Study in the United States: A Guide for Students from Other Countries, 1976, 48 pp.
Includes current information about costs of study in the U S, the responsibilities that students from other countries will be expected to assume in order to meet these costs, what help may be available from various sources and how to apply for it.

Meeting College Costs in 1978–79: A Guide for Students and Parents. 1977, 8 pp.
Offers general guidelines on computing college expenses and gives information on sources of financial aid and how to apply for different grants and loans.

Student Expenses at Postsecondary Institutions 1977-78, E. W. Suchar, S. Ivens and E. C. Jacobson. 1977. 83 pp.
This annual publication contains information about average costs at more than 2,750 two and four-year public, private, and proprietary postsecondary institutions.

Library References

There are other publications typically found in libraries that can aid in searching for sources of financial assistance. Some outstanding examples are as follows:

Subject Guide to Books in Print 1977–78, two volumes. R. R. Bowker Company, New York.

Books in Print 1977–78, four volumes divided according to titles and authors. Includes listing of publishers and their mailing addresses. These references are revised regularly.

Cumulative Book Index, The H. W. Wilson Company, New York, World list by author/subject/title of books in the English language. Published monthly. Includes listing of publishers and their mailing addresses.

Education Index, The H. W. Wilson Company, New York. A cumulative author/subject index to a selected list of educational periodicals, proceedings, and year books. Published 10 times annually.

Public Affairs Information Service, (P.A.I.S.), R. W. Wilson, editor. Annual cumulated bulletin. Semimonthly bulletin. Public Affairs Information Service, Inc., New York.
Lists by subject current books, pamphlets, periodical articles, government documents, and other useful library material.

Reader's Guide to Periodical Literature, The H. W. Wilson Company, New York.
A cumulative author/subject index. Published semi-monthly. Indexes to various major newspapers and magazine articles.

FINANCIAL AID INFORMATION SOURCES

Professional Health Organization Sources

Art Therapy Association, Inc.
3607 S Braeswood Blvd
Houston, TX 77025

American Alliance for Health, Physical Education & Recreation
1201 16th St, NW
Washington, DC 20036

American Association for Rehabilitation Therapy, Inc.
Box 93
North Little Rock, AR 72116

American Association of Certified Orthoptists
Community Hospital at Glen Cove
St. Andrews Ln
Glen Cove, NY 11542

American Association for Clinical Chemistry
1725 K St, NW
Washington, DC 20006
American Association of Colleges of Pharmacy
4630 Montgomery Ave
Bethesda, MD 20014
American Association of Dental Schools
7625 Massachusetts Ave, NW
Washington, DC 20036
American Association of Nurse Anesthetists
111 E Wacker Dr
Chicago, IL 60601
American Association of Ophthalmology
1100 17th St, NW
Washington, DC 20036
American Association for Rehabilitative Therapy
PO Box 93
North Little Rock, AR 72116
American Cancer Society
777 Third Ave
New York, NY 10017
American College Health Association
2807 Central St
Evanston, IL 60201
American College of Hospital Administrators
American Hospital Association
840 N Lake Shore Dr
Chicago, IL 60611
American College of Nurse-Midwives
1000 Vermont Ave, NW, Suite 1210
Washington, DC 20005
American Corrective Therapy Association
Route 2, Box 192-A
Jonesboro, TX 37659
American Dental Assistants Association
211 E Chicago Ave
Chicago, IL 60611
American Dental Association
211 E Chicago Ave
Chicago, IL 60611
American Dental Hygienists' Association
211 E Chicago Ave
Chicago, IL 60611
American Diabetes Association
One W 48th St
New York, NY 10020
American Dietetic Association
430 N Michigan Ave
Chicago, IL 60611
American Foundation for the Blind
15 W 16th St
New York, NY 10011
American Heart Association
7320 Greenville Ave
Dallas, TX 75231
American Home Economics Association
2010 Massachusetts Ave, NW
Washington, DC 20036
American Hospital Association
840 N Lake Shore Dr
Chicago, IL 60611
American Industrial Hygiene Association
66 S Miller Rd
Akron, OH 44313
American Institute of Biological Sciences
1401 Wilson Blvd
Arlington, VA 22209

American Library Association
50 E Huron St
Chicago, IL 60611
American Lung Association
1740 Broadway
New York, NY 10019
American Medical Students Association
PO Box 131
14650 Lee Rd
Chantilly, VA 22021
American Medical Technologists
710 Higgins Rd
Park Ridge, IL 60068
American Medical Women's Association
1740 Broadway
New York, NY 10019
American Medical Writers' Association
5272 River Rd
Bethesda, MD 20016
American National Red Cross
17th and D Streets, NW
Washington, DC 20006
American Nurses' Association Career Program
2420 Pershing Rd
Kansas City, MO 64108
American Health Care Association
1200 15th St, NW
Washington, DC 20005
American Occupational Therapy Association
6000 Executive Blvd
Rockville, MD 20852
American Optometric Association
7000 Chippewa St
St. Louis, MO 63119
American Orthoptic Council
Department of Ophthalmology
University of Iowa
Iowa City, IA 52240
American Osteopathic Association
212 E Ohio St
Chicago, IL 60611
American Pharmaceutical Association
2215 Constitution Ave, NW
Washington, DC 20037
American Physical Therapy Association
1156 15th St, NW
Washington, DC 20005
American Podiatry Association
20 Chevy Chase Circle, NW
Washington, DC 20015
American Psychiatric Association
1700 18th St, NW
Washington, DC 20009
American Psychological Association
1200 17th St, NW
Washington, DC 20036
American Public Health Association
1015 18th St, NW
Washington, DC 20036
American School Health Association
107 S Depeyster St
Kent, OH 44240
American Social Health Association
260 Sheridan Ave
Palo Alto, CA 94306

American Society of Allied Health Professions
One Dupont Circle, NW
Washington, DC 20036

American Society for Medical Technology
5555 W Loop
Bellaire, TX 77401

American Society for Microbiology
1913 "Eye" St, NW
Washington, DC 20005

American Society for Pharmacology and Experimental Therapeutics, Inc.
9650 Rockville Pike
Bethesda, MD 20014

American Society of Hospital Pharmacists
4630 Montgomery Ave
Washington, DC 20014

American Society of Safety Engineers
850 Busse Hwy
Park Ridge, IL 60068

American Speech and Hearing Association
10801 Rockville Pike
Rockville, MD 20852

American Veterinary Medical Association
930 N Meacham Road
Schaumberg, IL 60196

Arthritis Foundation
3400 Peachtree Rd, NE
Atlanta, GA 30326

Association of American Medical Colleges
One Dupont Circle, NW
Washington, DC 20036

Association of American Women Dentists
435 N Michigan Ave, Suite 1717
Chicago, IL 60611

Association of Medical Illustrators
6650 Northwest Hwy
Chicago, IL 60631

Association of Operating Room Nurses, Inc.
10170 E Mississippi Ave
Denver, CO 80231

Association of Medical Rehabilitation Directors and Coordinators, Inc.
3830 Linklea Dr
Houston, TX 77025

Association of Schools of Public Health
1825 K St, NW, Suite 707
Washington, DC 20006

Association of University Programs in Hospital Administration
One Dupont Circle, Suite 420
Washington, DC 20036

Biologic Photographic Association, Inc.
PO Box 1057
Rochester, MN 55901

Blue Cross Association
840 N Lake Shore Dr
Chicago, IL 60611

Bureau of Health Manpower
Health Resources Administration
Department of Health, Education, and Welfare
3700 East-West Hwy
Hyattsville, MD 20782

Bureau of Student Financial Aid
PO Box 84
Washington, DC 20044

Council for the Advancement of Science Writing
618 N Elmwood
Oak Park, IL 60302

Environmental Management Association
1710 Drew St
Clearwater, FL 33515

Epilepsy Foundation of America
1828 L St
Washington, DC 20036

Goodwill Industries of America
9200 Wisconsin Ave
Washington, DC 20014

Hospital Financial Management Association
666 N Lake Shore Dr
Chicago, IL 60611

International Association of Milk, Food and Environmental Sanitarians
PO Box 701
Ames, IA 50010

Maternity Center Association
48 E 92nd St
New York, NY 10028

Medical Library Association
919 N Michigan Ave, Suite 3208
Chicago, IL 60611

Mental Health Association
1800 N Kent St
Rosslyn Station
Rosslyn, VA 22209

Muscular Dystrophy Associations
810 Seventh Ave
New York, NY 10019

National Association for Music Therapy
PO Box 610
Lawrence, KS 66044

National Association for Practical Nurse Education and Service, Inc.
122 E 42nd St
New York, NY 10017

National Association for Retarded Citizens
2709 Avenue E East
Arlington, TX 76011

National Association of Dental Laboratories
3801 Mount Vernon Ave
Alexandria, VA 22305

National Association of Hearing & Speech Action
814 Thayer Ave
Silver Spring, MD 10910

National Association of Human Services Technologies
1127 11th St
Sacramento, CA 95814

National Association of Social Workers
1425 H St
Washington, DC 20005

National Chicano Health Organization
827 Sherman St
Denver, CO 80203

National Council for Homemaker-Home Health Aide Services, Inc.
67 Irving Pl
New York, NY 10003

National Council on Alcoholism
733 Third Ave
New York, NY 10017

National Council on the Aging
1828 L St, NW
Washington, DC 20036

Cystic Fibrosis Foundation
3379 Peachtree Rd, NW, Suite 950
Atlanta, GA 30326

National Easter Seal Society for Crippled Children and Adults
2023 W Ogden Ave
Chicago, IL 60612

National Environmental Health Association
1600 Pennsylvania
Denver, CO 80203

National Executive Housekeepers Association
Business & Professional Building
Gallipolis, OH 45631

National Federation of Licensed Practical Nurses
888 Seventh Ave
New York, NY 10019

National Health Council, Inc.
1740 Broadway
New York, NY 10019

National Hemophilia Foundation
25 West 39th St
New York, NY 10019

National League for Nursing
10 Columbus Circle
New York, NY 10019

National MEDIHC Program
Division of Associated Health Professions
Public Health Service
Health Resources Administration
Bureau of Health Manpower
Center Building, 3700 East-West Hwy
Hyattsville, MD 20782

National Medical Association
1720 Massachusetts Ave, NW
Washington, DC 20006

National Multiple Sclerosis Society
205 E 42nd St
New York, NY 10017

National Registry of Emergency Medical Technicians
1395 E Dublin-Granville Rd
PO Box 29233
Columbus, OH 43229

National Rehabilitation Association
1522 K St, NW
Washington, DC 20005

National Safety Council
444 N Michigan Ave
Chicago, IL 60611

National Society for the Prevention of Blindness
79 Madison Ave
New York, NY 10016

National Therapeutic Recreation Society
1601 N Kent St
Arlington, VA 22209

National Urban League
55 E 62nd St
New York, NY 10021

Society for Public Health Education
655 Sutter St
San Francisco, CA 94102

Student National Medical Association
2109 E Street, NW
Washington, DC 20037

United Cerebral Palsy Associations
66 East 34th St
New York, NY 10016

United Student Aid Funds, Inc.
PO Box 50827
Indianapolis, IN 46250

Federal Government Sources

Alcohol, Drug Abuse, Mental Health Administration
5600 Fishers Lane
Rockville, MD 20852

Employment and Training Administration
Department of Labor
200 Constitution Ave, NW
Washington, DC 20210

Health Resources Administration
Center Building
3700 East-West Highway
Hyattsville, MD 20782

US Office of Education
Division of Vocational & Technical Education
Department of Health, Education & Welfare
400 Maryland Ave SW
Washington, DC 20202

State Sources

ALABAMA

Health Careers Council
PO Box 17059
Montgomery, AL 36117
(205) 272-8783

ARKANSAS

Arkansas Council for Health Careers
Box 2081
918 Lexington Ave
Fort Smith, AR 72901
(501) 783-4995

CALIFORNIA

Student Aid Commission
1410 Fifth St
Sacramento, CA 95814
(916) 445-0880

COLORADO

Western Interstate Commission for Higher Education
PO Drawer P
Boulder, CO 80302
(303) 492-8666

Colorado Health Careers Council
1601 E 19th Ave
Denver, CO 80218
(303) 861-1221

DELAWARE

Delaware Post Secondary Education Commission
800 Delaware Ave, Suite 703
Wilmington, DE 19801
(302) 571-3240

LOUISIANA

Louisiana Hospital Association
2026 St. Charles Ave
New Orleans, LA 70130
(504) 525-7229

FLORIDA

Health and Public Service Education
State Dept of Education
Tallahassee, FL 32304
(904) 488-7431

GEORGIA

Georgia State Scholarship Commission
9 La Vista—Perimeter Pk
2187 Northlake Parkway
Tucker, GA 30084
(404) 393-7253

ILLINOIS

Illinois Hospital Association
1200 Jorie Blvd
Oakbrook, IL 60521
(312) 325-9040

INDIANA

Indiana Health Careers, Inc.
3921 N Meridian
Indianapolis, IN 46208
(317) 923-3625

IOWA

Iowa College Aid Commission
9th and Grand, Room 201
Jewett Building
Des Moines, IA 50309
(505) 281-3501

KANSAS

Student Assistance Division
Kansas Board of Regents
1415 Merchants Bank
Topeka, KS 66612
(913) 296-3517

KENTUCKY

Student Financial Aid Unit
Bureau of Vocational Education
Kentucky Dept of Education
2018 Capitol Plaza Tower
Frankfort, KY 40601
(502) 564-2896

MASSACHUSETTS

Massachusetts Hospital Association
5 New England Executive Park
Burlington, MA 01803
(617) 272-8000

MICHIGAN

Michigan Health Council
1407 S Harrison Rd.
East Lansing, MI 48823
(517) 337-1615

Scholarship Aid Program
Michigan Department of Education
PO Box 30008
Lansing, MI 48909
(517) 373-3394

MINNESOTA

Health Sciences Student Personnel Services
University of Minnesota
175 Frontier Hall
701 Fulton Avenue, SE
Minneapolis, MN 55455
(612) 376-7564

MONTANA

Student Financial Aid and Employment
Montana State University
Bozemon, MT 59715
(406) 994-0211

NEW HAMPSHIRE

New Hampshire Health Careers Council
61 S Spring St
Concord, NH 03301
(603) 224-5061

NEW JERSEY

New Jersey Department of Higher Education
Student Loan Office
PO Box 1417
Trenton, NJ 08625
(609) 292-4390

New Jersey Department of Education
225 W State St
Trenton, NJ 08625
(609) 292-4469

NEW YORK

Higher Education Services, Finance
Empire State Plaza
Tower Building
Albany, NY 12255
(518) 474-5643

Health Careers Information
New York State Health Department
Tower Building—Room 736
Empire State Plaza
Albany, NY 12237
(518) 474-5057

NORTH CAROLINA

North Carolina State Educational Assistance Authority
PO Box 2688
Chapel Hill, NC 27514
(919) 929-2136

Educational Loan Program
Department of Human Resources
PO Box 12200
Raleigh, NC 27605
(919) 733-2164

NORTH DAKOTA

Student Assistance Program
State Capitol Building
Bismarck, ND 58501
(701) 224-2960

OHIO

Health Careers Association of Greater Cincinnati
2400 Reading Rd
Cincinnati, OH 45202
(513) 721-2915

The Greater Cleveland Hospital Association
1021 Euclid Ave
Cleveland, OH 44115
(216) 696-6900

MEDIHC Program
Health Careers of Ohio
PO Box 5574
Columbus, OH 43221
(614) 422-9566

Ohio Board of Regents
30 E Broad St
Columbus, OH 43215
(614) 466-6000

OKLAHOMA

Oklahoma Council for Health Careers and Manpower
715 NE 14th St
Oklahoma City, OK 73104
(405) 271-5739

PENNSYLVANIA
Pennsylvania Higher Education Assistance Agency
Towne House Apartments
Harrisburg, PA 17102
(717) 787-1932

TENNESSEE
Health Careers Program
Tennessee Hospital Association
500 Interstate Blvd S
Nashville, TN 37211
(615) 256-8240

TEXAS
Texas Health Careers Program
Texas Hospital Association
Box 15587
Austin, TX 78761
(512) 453-7204

VERMONT
Vermont Student Assistance Corp.
156 College St
Burlington, VT 05401
(802) 658-4530

VIRGINIA
Virginia Council on Health and Medical Care
PO Box 12363
Richmond, VA 23241
(804) 649-0323

WISCONSIN
Higher Education Aids Board
150 E Gilman St
Madison, WI 53702
(608) 266-2897

WYOMING
Wyoming Information and Referral Service
1780 Westland Rd
Cheyenne, WY 82001
1-800-442-2744

UTAH
Student Financial Aid and Scholarships
University of Utah
2080 Annex
Salt Lake City, UT 84112
(801) 581-6211

CANADA
Manitoba Health Organizations, Inc.
377 Colony St
Winnipeg, Manitoba R38 2P5
Canada
(204) 942-6591

Veterans Administration Sources

Address all correspondence to Veterans Administration Regional Office, followed by the individual city address shown below.

ALABAMA
474 S. Court St
Montgomery, AL 36104

ALASKA
Federal Bldg., US Post Office & Courthouse
PO Box 1288
709 W 9th St
Juneau, AK 99801

ARIZONA
3225 N Central Ave
Phoenix, AZ 85012

ARKANSAS
Federal Bldg
700 W Capitol Ave
Little Rock, AR 72201

CALIFORNIA
11000 Wilshire Blvd
Los Angeles, CA 90024

2022 Camino Del Rio North
VAO, San Diego, CA 92108

211 Main St
San Francisco, CA 94105

COLORADO
Denver Federal Center
Denver, CO 80225

CONNECTICUT
450 Main St
Hartford, CT 06103

DELAWARE
1601 Kirkwood Hwy
VAC, Wilmington, DE 19805

DISTRICT OF COLUMBIA
941 N Capitol St NE
Washington, DC 20421

FLORIDA
PO Box 1437
St. Petersburg, FL 33731

GEORGIA
730 Peachtree St, NE
Atlanta, GA 30308

HAWAII
PO Box 3198
Honolulu, HI 96801

IDAHO
Fed Bldg & US Courthouse
550 W Fort St, Box 044
Boise, ID 83724

ILLINOIS
PO Box 8136
Chicago, IL 60680

INDIANA
575 N Pennsylvania St
Indianapolis, IN 46204

IOWA
210 Walnut St
Des Moines, IA 50309

KANSAS
5500 E Kellogg
Wichita, KS 67218

KENTUCKY
600 Federal Pl
Louisville, KY 40202

Louisiana
701 Loyola Ave
New Orleans, LA 70113

MAINE
Togus 04330

MARYLAND
Federal Bldg
Baltimore, MD 21201

MASSACHUSETTS
JFK Federal Building
Government Center
Boston, MA 02203

MICHIGAN
Patrick V. McNamara Bldg
477 Michigan Ave
Detroit, MI 48226

MINNESOTA
Federal Bldg, Ft. Snelling
St. Paul, MN 55111

MISSISSIPPI
1500 E Woodrow Wilson Dr
Jackson, MS 39216

MISSOURI
Rm 4705, Federal Bldg
1520 Market St
St. Louis, MO 63103

MONTANA
Fort Harrison, MT 59636

NEBRASKA
100 Centennial Mall North
Lincoln, NB 68508

NEVADA
1201 Terminal Way
Reno, NV 89502

NEW HAMPSHIRE
275 Chestnut St
Manchester, NH 03103

NEW JERSEY
20 Washington Pl
Newark, NJ 07102

NEW MEXICO
500 Gold Ave
Albuquerque, NM 87102

NEW YORK
Federal Bldg
111 W Huron St
Buffalo, NY 14202
252 7th Ave
New York, NY 10001

NORTH CAROLINA
251 N Main St
Winston-Salem, NC 27102

NORTH DAKOTA
Fargo, ND 58102

OHIO
Federal Office Bldg
1240 E 9th St
Cleveland, OH 44199

OKLAHOMA
125 S Main St

OREGON
1220 SW Third Ave
Portland, OR 97204

PENNSYLVANIA
1000 Liberty Ave
Pittsburgh, PA 15222

PHILLIPPINES
1131 Roxas Blvd
APO San Francisco, CA
Manila 96528

PUERTO RICO
Barrio Monacillos
GPO Box 4867
San Juan, PR 00936

RHODE ISLAND
Federal Bldg, Kennedy Plaza
Providence, RI 02903

SOUTH CAROLINA
1801 Assembly St
Columbia, SC 29201

SOUTH DAKOTA
300 N Dakota Ave
Sioux Falls, SD 57101

TENNESSEE
110 9th Ave S
Nashville, TN 37203

TEXAS
2515 Murworth Dr
Houston, TX 77054

1400 N Valley Mills Dr
Waco, TX 76710

UTAH
125 S State St
Salt Lake City, UT 84138

VERMONT
VAC, White River Jct, VT 05001

VIRGINIA
210 Franklin Rd, SW
Roanoke, VA 24011

WASHINGTON
915 Second Ave
Seattle, WA 98174

WEST VIRGINIA
502 8th St
Huntington, WV 25701

WISCONSIN
342 N Water St
Milwaukee, WI 53202

WYOMING
2360 E Pershing Blvd
Cheyenne, WY 82001